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FINAL
CONTRACT END ITEM DETAIL SPECIFICATION
PART I (COMPUTER PROGRAM)
PERFORMANCE/DESIGN REQUIREMENTS
AND
DETAILED TECHNICAL DESCRIPTION
VOLUME II
TDSDT USERS REFERENCE FOR TACC CURRENT OPERATIONS
CONTRACT F19628-71-C-0020

AD736587

TECHNICAL MEMORANDUM

(TM Series)

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FINAL

CONTRACT END ITEM DETAIL SPECIFICATION

PART I (COMPUTER PROGRAM)

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AND
DETAILED TECHNICAL DESCRIPTION

VOLUME II

TDSDT USER'S REFERENCE

FOR

TACC CURRENT OPERATIONS

SYSTEM

DEVELOPMENT

CORPORATION

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ABSTRACT

This Technical Memorandum presents the Contract End Item
Detail Specification - Part I (Computer Program) called for
under CDRL Item A006 of Contract #F19628-71-C-0020.

The performance/design requirements for the Functional Software
developed in support of the Tactical Data System Development
Testbed (TDSDT) are specified. The specification identifies the
functional processing required to provide automated assistance
to the Current Operations activities within the Tactical Air
Control Center (TACC).

Volume I defines the full set of software functional specifi-
cations. This volume (Volume II) reorganizes the operator
interface data into an operator oriented user's guide to the
defined software system.

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5.0   OPERATOR ACTIONS AND SYSTEM RESPONSES

This section of the specification describes, from the perspective of the
system operator/user, the system structure and functional capabilities of the
TDSDT TACC software specified in Section 3.0 - REQUIREMENTS. The software
covered by this description is the TACC Current Operations functional soft-
ware utilized in the CUROPS mode of TDSDT operation.

Separate subsections present an operator's introduction to the structure and
operating philosophy of the CUROPS software and descriptions of the actions
and system responses available to the CUROPS operator.

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5.1 OPERATOR INTRODUCTION

The following paragraphs present a brief description of the functional capabilities of the CUROPS software system, a discussion of the user interface provided by the CUROPS software, and several representative examples of how the operator might utilize the CUROPS software in executing typical TACC Current Operations data processing activities.

5.1.1 Capabilities of the CUROPS Mode

5.1.1.1 Background

The CUROPS Functional Software for the TDSDT is designed to be responsive to the TACC Current Operations requirements. The TACC is the focal point of the Tactical Air Control System (TACS) and serves to direct the employment of the tactical air forces in response to a constantly changing tactical situation. The TACC is connected by communications with operations centers of higher and lateral headquarters, subordinate units and subordinate agencies of the TACS. The basic principle of this structure is centralized control of tactical air operations by the TACC.

TACC centralized control of air operations is made possible through the presentation and evaluation of the operational factors of tactical operations data and reports. The data reflects the status of forces, operations in progress and actions of the enemy. This data is received in the form of reports, messages and requests from the various elements within the TACS. They are used by TACC personnel in performing the mission planning, coordinating, directing and monitoring responsibilities.

The data received from elements within the TACS reflects a dynamic tactical situation. It must be received, processed, and presented such that in a timely manner it supports the execution of the TACC operational responsibilities.

Within the TDSDT these responsibilities are supported by three basic elements
of the processing system:

> Equipment
>
> Data Management System/Control Software
>
> Functional Software

Equipment

The hardware system is composed of a central data processor, intermediate data
processors, user input/output devices (user stations), and associated communica-
tions between all equipment. Each of the hardware components is discussed
below.

CENTRAL DATA PROCESSOR

The following is a list of the hardware components of the Central Data Processor:

> (1)   IBM-1800 Computer
>
> (1)   IBM-1442-2 Card Reader/Card Punch
>
> (1)   IBM-1443-2 Line Printer
>
> (1)   IBM-2841-1 Disk Control Unit
>
> (1)   IBM-2311-1 Disk Drive with Removable Disk Packs

INTERMEDIATE LEVEL PROCESSORS

The following is a list of the hardware components of the Intermediate Level
Processors:

> (3)   Digital Equipment Corporation PDP-8 Computers
>
> (1)   ASR Teletype
>
> (3)   High Speed Paper Tape Readers
>
> (3)   Royal McBee Model 500 Paper Tape Punches
>
> (1)   Disk Storage Drive
>
> (1)   Drum Storage Drive

USER STATIONS

The following is a list of the hardware associated with the User Stations:

> (6) Sanders 720 Display Units
>
> (6) Motorola 4300 Printers
>
> (6) Kennedy Model 1400R Digital Tape Recorders
>
> (1) RCA-752 Display Unit
>
> (1) TP-4000 Motorola Teleprinter
>
> (3) Uniquely designed communications adapters

HARDWARE INTERFACES

The Central Data Processor hardware interfaces with the Intermediate Level
Processor hardware by means of a high speed communications line. The hard-
ware interface between the Central Data Processor and the User Stations is
only through the communications facilities of the Intermediate Level Processors.

The hardware of the Intermediate Level Processors interfaces with both the Central
Data Processor and the User Stations via communications lines. Similarly, the
Intermediate Level Processors interface with one another via communications lines.

The User Stations interface with each other through the Intermediate Level
Processors.

Data Management System/Control Software

The TDSDT system provides data management and control capabilities. This soft-
ware consists of a set of general purpose, non-functional capabilities which
provide job specific data processing support to on-line system users, directly
or indirectly through functional software.

In addition to providing system control and sequencing, this non-functional soft-
ware provides for the generation of data base files and capabilities for all
types of interaction with and operations on those files, whether that interaction
be requested directly by an on-line user or by functional software. It provides

the interface between functional software and the operating system and between
the functional software and on-line users (via the multi-station controllers).

5.1.1.2 Functional Capabilities and System Flow
The CUROPS Functional Software provides support to the TACC operations in
coordinating, directing and monitoring the tactical air effort. It is
organized into the following processing functions:

1. Input Message Processing
2. Mission Adjustment
3. Message Preparation
4. Condition/Event Monitoring
5. Display Control and Generation
6. Simulation

The pages that follow present a brief summary of the processing capabilities
of each functional package and illustrates the information and processing flow
within each area. Figure 25 describes the interrelationships between the
functional areas.
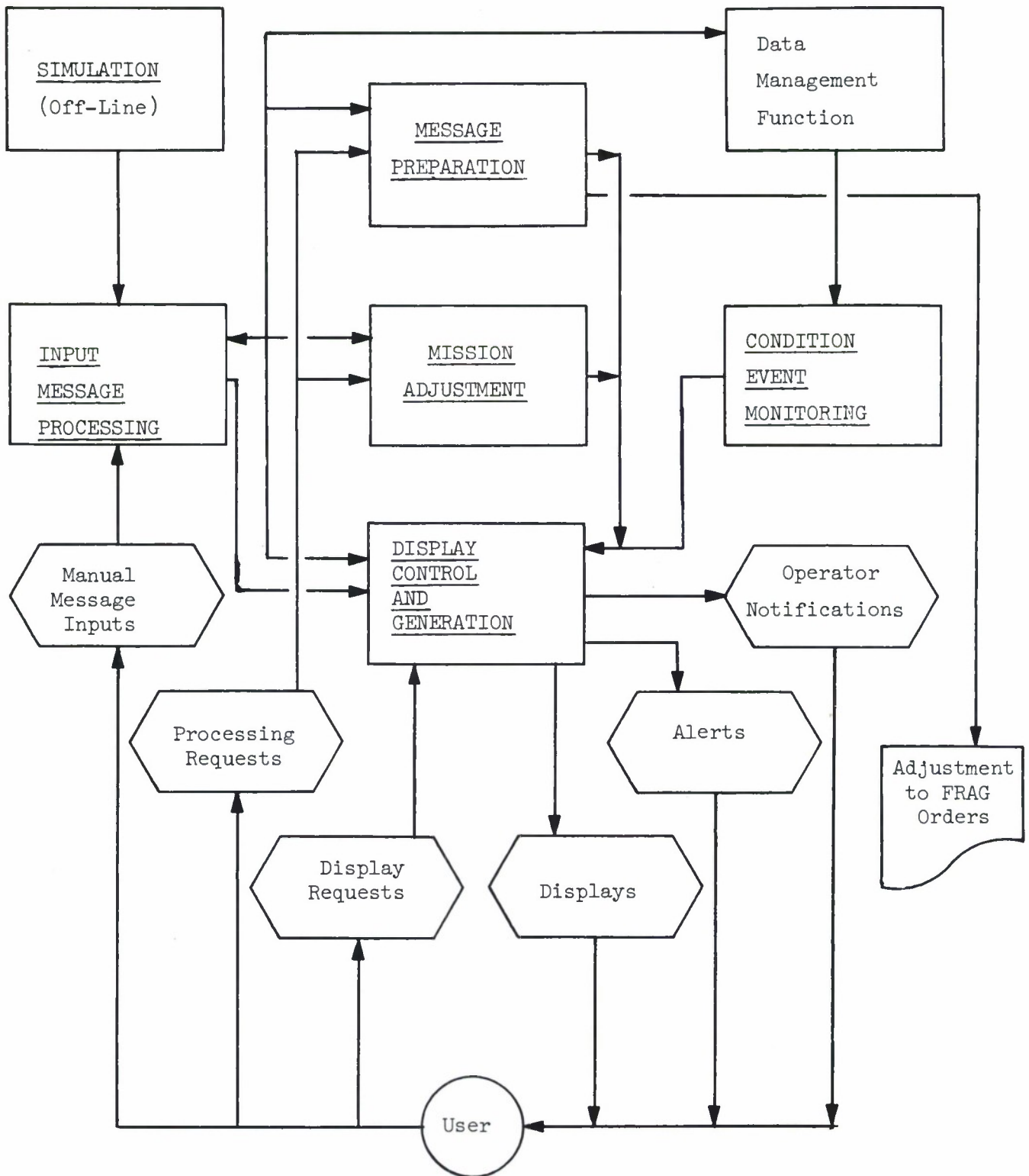
Figure 25

General System Flow

Input Message Processing

Provides complete processing of all input messages received from elements
within the TACS. It:

a) Processes messages input from the user stations.

b) Selects and processes on the basis of time messages prestored in
   a simulation file, thus simulating the receipt of messages from
   external TACS elements.

c) Validates selected items in manually input messages.

d) Monitors messages to detect the reporting of an event or condition
   requiring operator notification.

e) Distributes input data within the system files.

f) Interfaces with Display Control and Generation to communicate with
   operations personnel relative to system inputs.
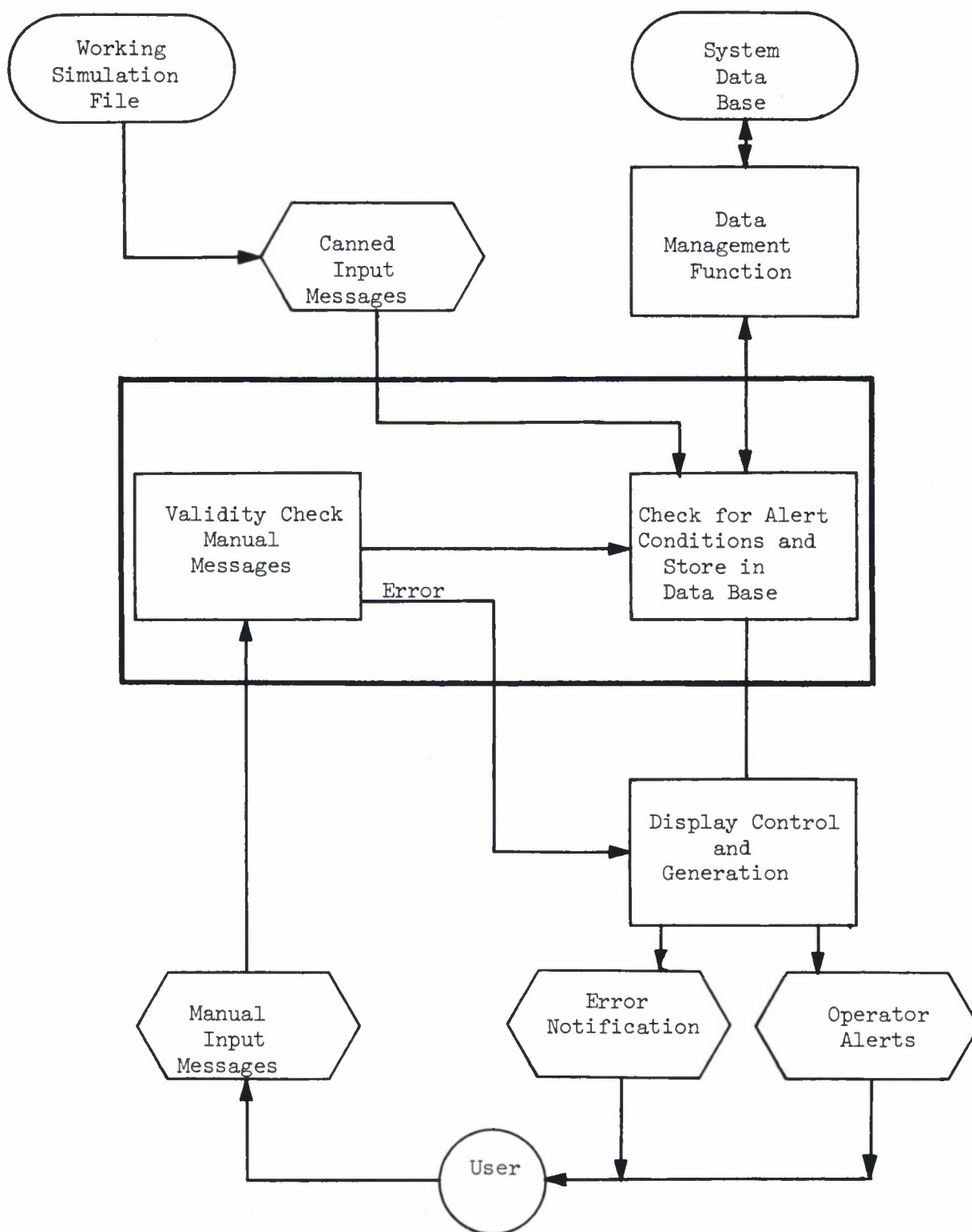
Figure 26

Input Message Processing Flow

Mission Adjustment

Provides direct support to operations personnel in the adjustment of mission conduct and assignment. It supports:

a) The adjustment of a planned mission to satisfy an immediate requirement.

b) The scheduling of a new mission to satisfy a requirement.

c) The addition of a RECCE requirement to a preplanned reconnaissance mission.

d) The deletion of missions.

e) The use of existing tanker resources in planning a new mission or adjusting an existing one.

f) The identification of new or modified missions for output by Message Preparation.

g) The presentation of candidate missions which can be adjusted to satisfy immediate requirements.

h) The presentation of candidate requirements which can be satisfied by an available resource.

i) The assignment of a SAR mission to a SAR requirement.
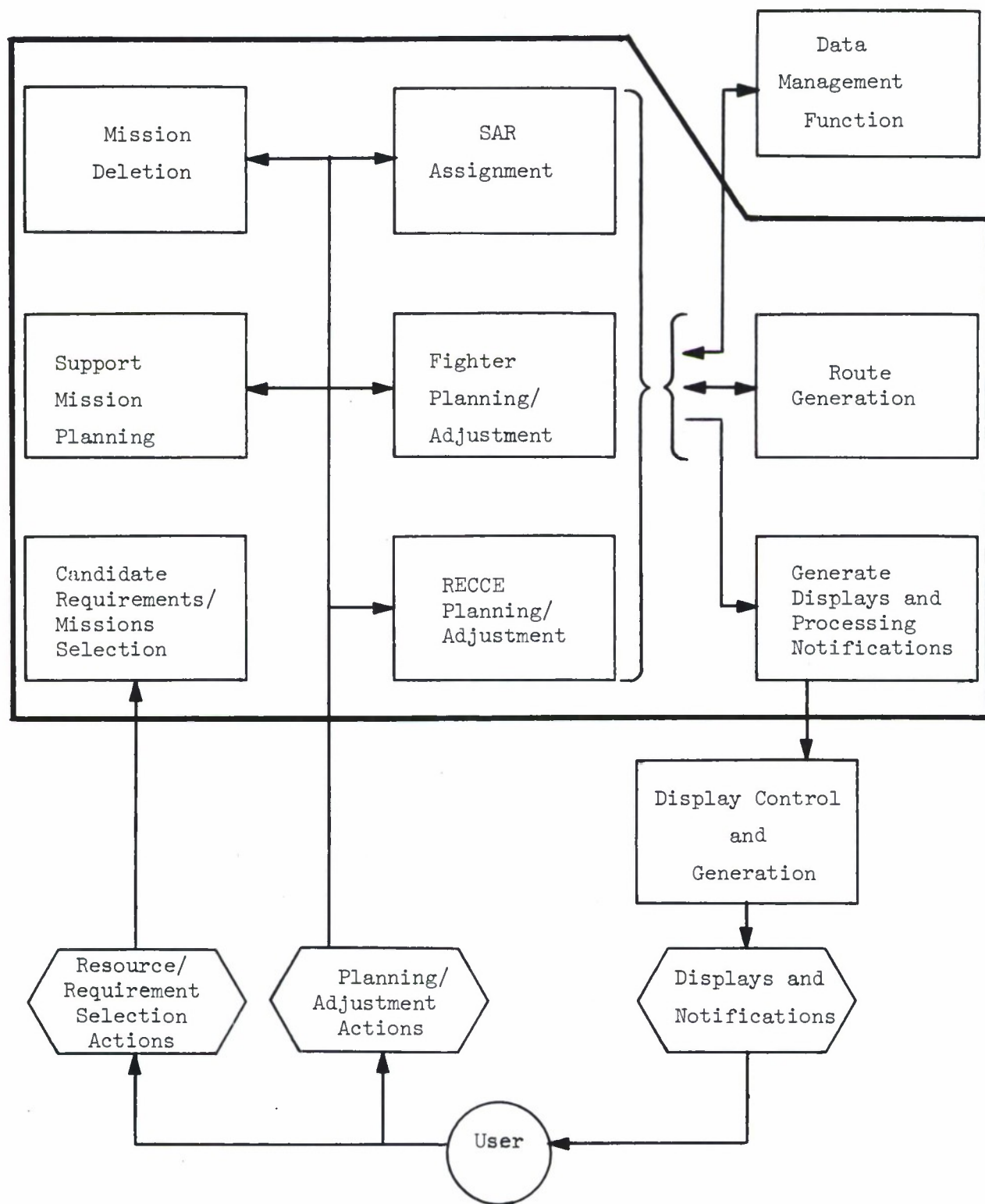
Figure 27

Mission Adjustment Flow

Message Preparation

Prepares and outputs FRAG Order data on missions which have been adjusted or
newly planned and have been so identified by the Mission Adjustment Function.
It:

a) Formats and edits FRAG order data from the system files.

b) Generates header information including copy distribution based
   on operational criteria.

c) Causes complete messages to be output on the TDSDT system printer.
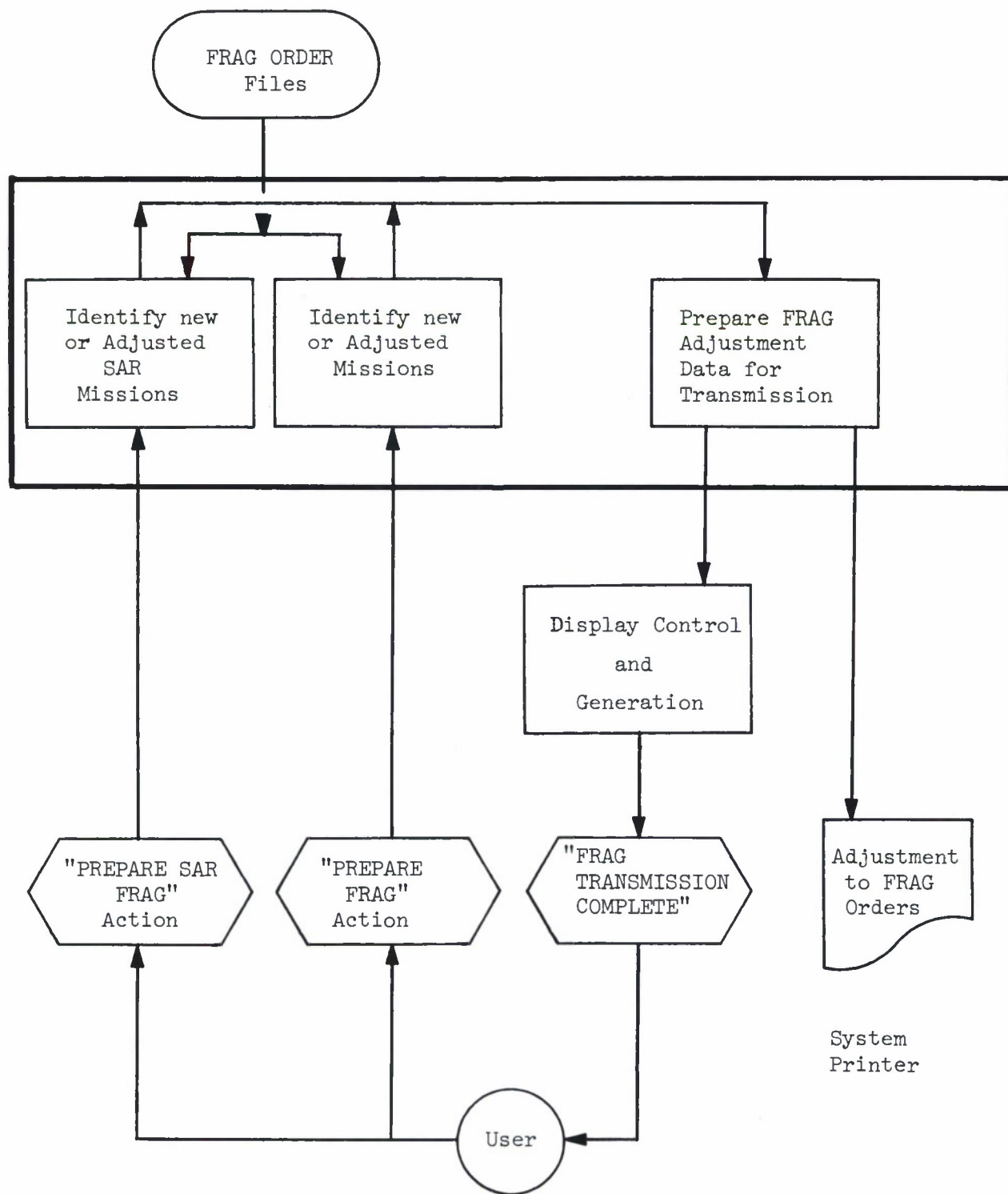
Figure 28

Message Preparation Flow

Condition/Event Monitoring

Monitors for the timely receipt of mission progress and element status reports. It:

a) Checks the "as-of" time in the system files for those status entries which are scheduled to be reported at fixed times during the day.

b) Based on mission status, checks for the presence in the schedule files of "actual" event times.

c) Interfaces with Display Control and Generation to provide operator notification if a status report or mission event report has not been received within a prespecified time after the scheduled time.

```
   ┌─────────────┐                              ┌─────────────┐
  (   Mission     )                            (   Status      )
  (   Schedule    )                            (   Files       )
  (   Files       )                            (              )
   └──────┬──────┘                              └──────┬──────┘
          │                                            │
   ┌──────┼────────────────────────────────────────────┼──────┐
   │      ▼                                            ▼      │
   │  ┌───────────┐                          ┌───────────┐   │
   │  │ Identify  │                          │ Identify  │   │
   │  │ Overdue   │                          │ Overdue   │   │
   │  │ Mission Event │──────────────────────│ Status    │   │
   │  │ Reports   │            │             │ Reports   │   │
   │  └───────────┘            │             └───────────┘   │
   └───────────────────────────┼───────────────────────────┘
                               ▼
                       ┌───────────────┐
                       │ Display Control│
                       │      and       │
                       │  Generation    │
                       └───────┬───────┘
                               ▼
                       ⬡ Operator        ⬡
                         Notifications
                               ▼
                           (  User  )
```
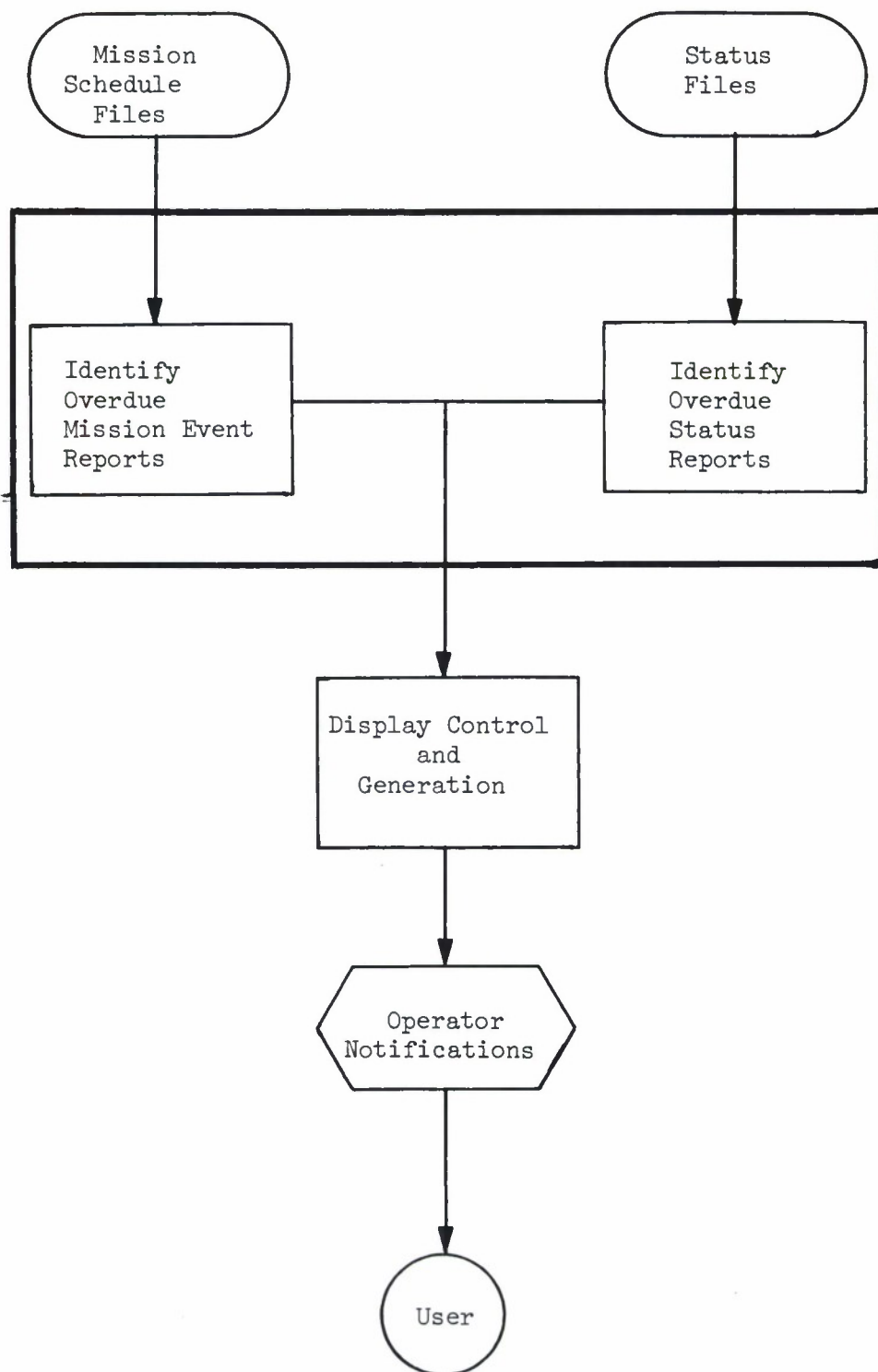
Figure 29

Condition/Event Monitoring Flow

Display Control and Generation

Provides the presentation of operational data at the User Stations. It:

a) Processes manual display requests from the User Stations.

b) Processes display requests generated by the functional software.

c) Prepares all operational displays for transmission to the
   appropriate User Stations.
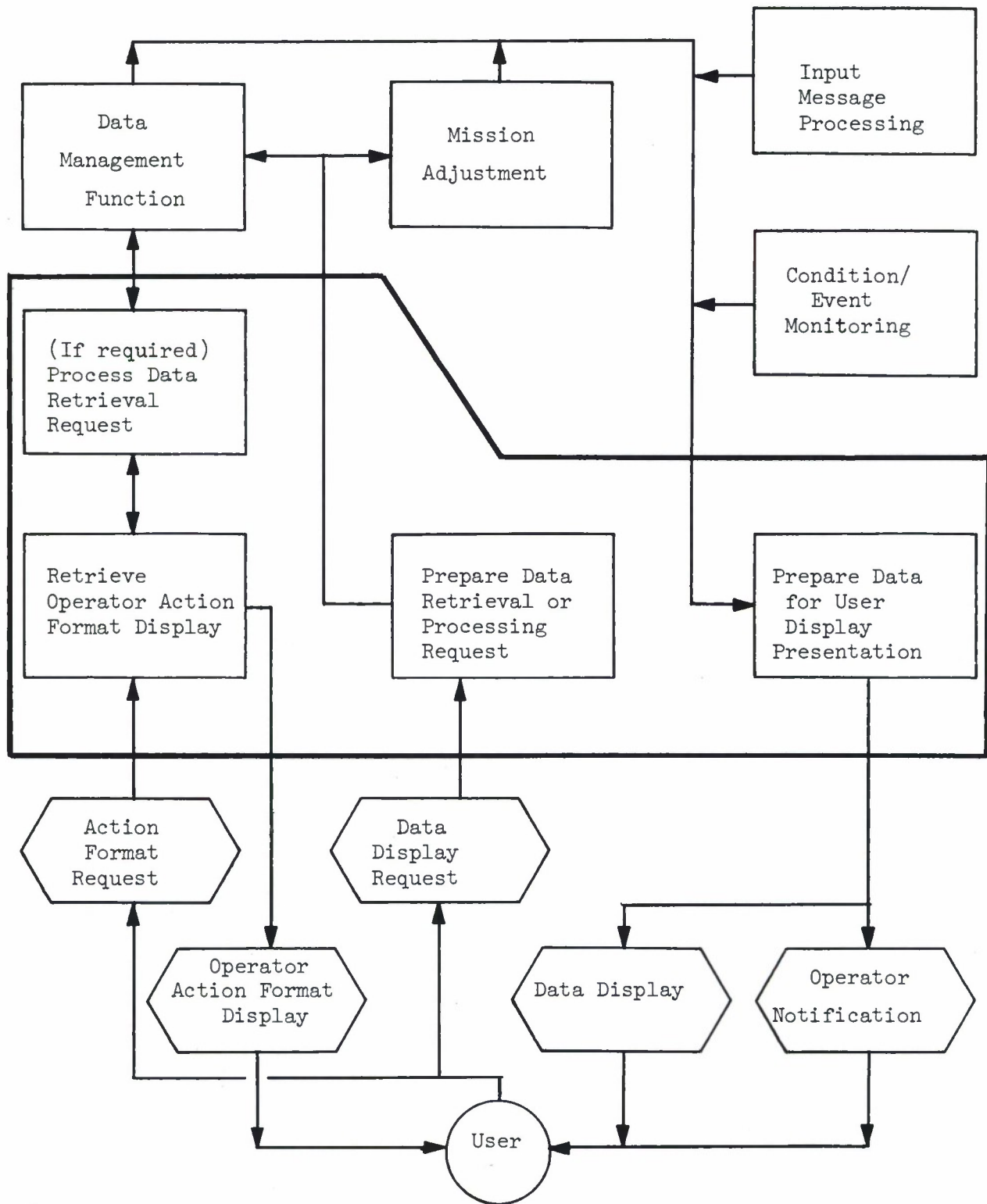
Figure 30

Display Control and Generation Flow

Simulation

Provides a working simulation file of input messages to be processed by
Input Message Processing. To construct this file, it:

a) Accepts and sorts card inputs which define active functional
    positions and times of activity.

b) Based on these cards, abstracts messages from a master
    simulation file.

c) Removes the functional position data from the master simulation
    file messages which have been selected.

d) Enters the selected messages in the working simulation file.

Master
Simulation
File

Simulation
Parameters

SIMULATION

Off-Line Processing

Working
Simulation
File

Input
Message
Processing

Updated
System Data
Base

On-Line Processing

Operator
Notifications

User
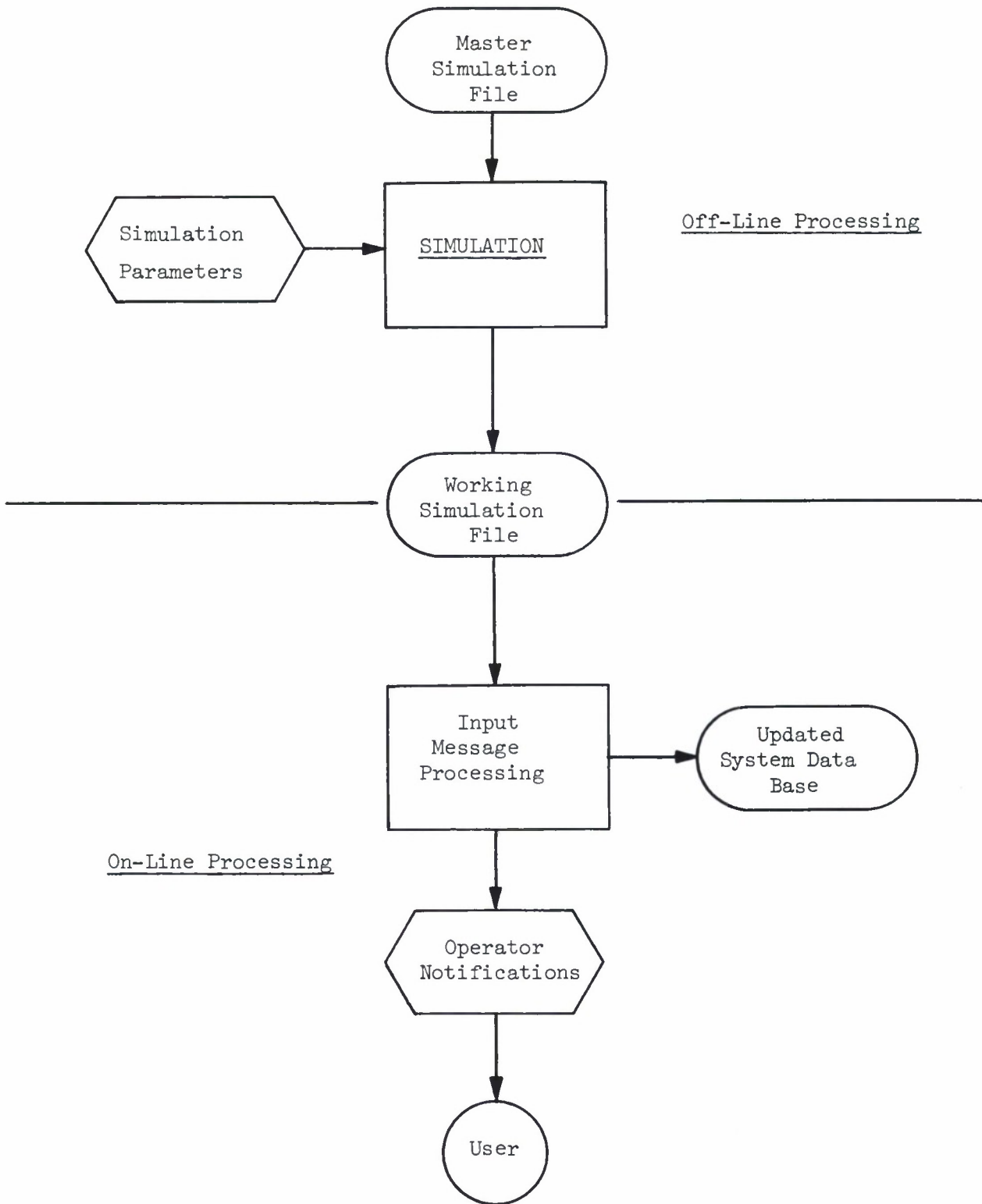
Figure 31

Simulation Flow

5.1.1.3 TDSDT Positional Organization

The operational responsibilities for mission planning and mission monitoring
have been divided into the following mission functions and subfunctions:

FUNCTION	SUB-FUNCTION
Fighter Operations	Interdiction/Offensive Counter-Air
	Immediate CAS
	Preplanned CAS
	Air Defense
RECCE Operations	Immediate RECCE
	Preplanned RECCE
	Electronic Warfare
Tanker Operations	Aerial Refueling
Search & Rescue Operations	Search and Rescue

Within the TDSDT any subfunction can be assigned to any one or combination
of positions (User Station). The only restriction is that no more than four
subfunctions may be assigned to any given position.

Communications of any type, particularly those regarding operational messages
received at the TDSDT, are routed to User Stations based on the assignment of
mission functions and subfunctions.

5.1.1.4 External TACS Interfaces

Since a data link does not currently exist with other facilities such as
would exist within a TACS network, this system simulates the interface with
external agencies.

Messages from external agencies can be scripted in basically the same form as
they would be received via data link and prestored in the computer system. The
Input Processing Function on a real-time basis inputs prestored messages at the
scripted reporting times. The messages can then be processed in the same manner
as if they had been received via data link.

5.1.1.5 System Capacities

The system requirements for the TDSDT functional software are based on the
design requirements contained in MTR-974 and the data requirements necessary
to support a Medium Tactical Force Situation as described in TACM 55-45. The
system requirements were developed by equating the system design to the sizing
data which relate to TACC operations as described in the tactical configuration.
The system design is described in the Operational Requirements Section of this
document (see Section 3.1.2). The Medium Tactical Force Situation, as modified
for use in this system, is described below.

For this system the following numbers and types of tactical elements were
considered:

        Joint Force Headquarters
        Air Force Component Command Post (AFCCP)
        2 Tactical Fighter Wings (8 Squadrons)
        1 Composite Reconnaissance Squadron
        1 Mobile Communications Group (Element)
        1 Tactical Air Control Center (TACC)
        1 Control and Reporting Center (CRC)
        1 Control and Reporting Post (CRP)
        3 Forward Air Control Posts (FACPs)
        3 Air Support Radar Teams (ASRTs)
        1 Direct Air Support Center (DASC)
        Tactical Air Control Parties (TACPs) as required

In addition to the above tactical elements, the following support elements are
also considered:

        1 Tanker Squadron
        1 Search and Rescue Squadron

The system requirements are described in the following sections. These
requirements or system limits were specified to establish the size of the data
base files. It should be noted that the capabilities of the individual
processing functions as presently designed are only limited by the size of
these files.

5.1.1.5.1 Input Messages

The system accepts and processes the following types of input messages. The
number of sources and events indicated were used to establish system processing
and storage requirements. Number of events are estimates for a 24-hour time
period.

MESSAGE TYPE	NUMBER OF SOURCES	EVENTS
Abort	11	10
Air Defense Fighter Status	8	10
Air Defense Scramble		16
Air Delay		10
Aircraft in Distress		10
Airfield and Flight Facility Status	8	16
Air Surveillance Data	1*	*
Cancellation Request		6
Downed Pilot Report		6
Ground Delay		10
Immediate CAS Scramble	1	10
Immediate RECCE Scramble	1	6
Inflight Report		78
Joint Tactical Air Request		30
Joint Tactical Air Reconnaissance/ Surveillance Request	50	50
Joint Tactical Air Reconnaissance/ Surveillance Inflight Report		45
Landing	11	102
On-Station		12
Position Report Aircraft in Distress		**
Refueling Report	1	100
SAR Mission Position Report	1	***
SAR Mission Progress Report	1	30
TACS Facility Status	1	9
Tactical Action Data		32
Tactical Unit Status	11	66
Takeoff	11	102

* Up to 10 tracks may be reported upon at any given time, with updates on
  2-4 minute intervals.

**Reports issued at 5 minute intervals.

***Reports issued at 15 minute intervals.

The above data are representative of the operational scenarios that can be
accommodated in the CUROPS mode.

5.1.1.5.2 Mission Data

The system provides the capability for planning and monitoring the following types and numbers of missions:

MISSION TYPE	MAXIMUM NO.OF MISSIONS
Preplanned Fighter	40

    (1) Interdiction
    (2) Counter Air
    (3) Preplanned CAS
    (4) Combat Air Patrol
    (5) Escort

MISSION TYPE	MAXIMUM NO.OF MISSIONS
Immediate CAS	30
Preplanned RECCE	12
Immediate RECCE	12
EW	6
Air Defense	30
Search and Rescue	12
Air Refueling	12

The capability exists to assign 70-80% of the fighter force against any one mission type.

5.1.1.5.3 Mission Diversion Data

Up to 50% of the fighter missions and reconnaissance missions may be diverted.

5.1.1.5.4 Squadron Data

The system accommodates the following squadron data:

SQUADRON TYPE	NO.OF SQUADRONS	NO.of A/C TYPES PER SQUADRON	MAX.NO.OF MISSIONS PER SQUADRON
Fighter	8	1	10
Composite RECCE:	1	2	24 (total)
RECCE		1	24
EW		1	6
Search & Rescue	1	2	12
Aerial Refueling	1	1	12

5.1.1.5.5 Aircraft Characteristics Data

The system provides performance characteristics for the following aircraft
types:

    For Fighter Missions: F4E and F105D
    For RECCE Missions: RF4E
    For EW Missions: EB66D

5.1.1.5.6 Mission Requirements Data

The system accommodates the following mission requirements data:

REQUIREMENT/REQUEST TYPE	NO.OF REQUIREMENTS/REQUESTS
Targets	75
Preplanned CAS	30
Preplanned RECCE	50
Search and Rescue	12

5.1.2 User Interface

This section defines the philosophy and basic characteristics of the
user/system interface for the CUROPS mode of TDSDT operations.

5.1.2.1 User/System Interface Approach

5.1.2.1.1 General Philosophy

The functional software system for the TDSDT CUROPS mode is a user
controlled system that responds to three basic stimuli. These are:

- Operator requests
- Operational input messages
- Critical conditions or events detected within the
  system data base.

Operator control is maintained by providing operator notification messages
covering all critical input messages and internally detected conditions.
Processing that will result in the planning, adjustment or cancellation
of a mission can be initiated only by operator action.

To support the operator's responsibilities a network of interrelated system
displays and operator actions has been established that allow the CUROPS
operator to:

- Examine all data base information
- Insert manual input messages
- Select and control functional processing
- Review processing results or progress
- Respond to input messages or critical events.

The action list, described in Section 5.2-OPERATOR ACTIONS-includes
over 150 discrete actions available to the system user. Many of the
actions can be parameterized to further direct the processing flow.
Approximately 75 displays and 80 operator notification messages have been
incorporated within the system to complement the standard TDSDT display
capabilities. These displays and messages are cataloged in Section 5.3-
SYSTEM RESPONSES.

5.1.2.1.2 Action Selection

All actions available to the system operator can be manually typed and
transmitted at the user station, however, many of the operator requests
or data input actions entail lengthly formatted data streams that would
be both tedious and difficult to execute correctly. The operator is
supported on these actions by a set of two way displays that define the
content and format required in the action and then, following operator
insertion of the requisite data, provide the vehicle for direct trans-
mission to the processing system.

To further support the operator, and eliminate the need to memorize detailed
action formats, all system actions following initial console activation can
be found on one or more User Options Lists. These lists are defined in
Section 5.1.2.2 and provide light pen selectable actions that can be
transmitted to the processing system as an operator request. For those
actions that include processing parameters provision is made for operator
modification of the displayed action prior to transmission.

5.1.2.1.3 Action Sequencing

To assist the operator in executing a sequence of related actions the
system displays incorporate light pen selectable operator actions within
the display formats. These actions normally include provision for requesting
a clean copy of the present display or the next logical display page, for
requesting the next logical processing activity or for accessing the top
level user options list to initiate a new operator activity. To execute
any of these actions the operator must only modify the display action block
to reflect desired processing parameters, select the desired action via
light pen and transmit the modified action to the processing system.

5.1.2.1.4 Multi Segment Displays

Many displays require more than one copy of the display surface for complete
presentation of the required data. These displays have been implemented in
segments as required for an organized total presentation. The longer
manual input message format displays utilize two sequential displays
designated parts 1 and 2. The standard data output displays utilize a
page/set scheme to handle extended display requirements. Multiple pages are
used in tabular displays covering more display objects than can be tabulated
on one display surface. Multiple sets are used to present additional
categories of information. Several display types utilize both page and
set expansions as required.

The response to a basic display request, either operator or software
generated, is part or page one/set one of a multi segment display.
Part two of the longer input message format displays is presented
automatically upon transmission of the executed part one. Both
parts may be manually requested through unique operator actions.
Each segment of a multi page/set display contains, within the display,
the operator action required to request that display segment. Additional
segments are requested by modifying the page or set designators in the
displayed action format and transmitting the modified request.

5.1.2.2 User Options Lists

This subsection defines the user options lists discussed in previous
paragraphs. Each list is presented as it will appear on the display
surface. The action required to request the option list and a brief
comment on the nature of the operator actions covered is also included.

Through the use of these options lists the system actions available to
the CUROPS operator can be viewed as a multi level tree. The first
option list presented allows selection of one of the detailed options
lists. These detailed lists group, in one display presentation, an
interrelated subset of the action repetoire. These detailed lists,
in turn, allow the operator to initiate a specific sequence of operational
activities.

Action: OPTIONS or ◄ S OPS 7

Display Response:

```
                  1         2         3         4         5         6
          12345678901234567890123456789012345678901234567890123456789012 34

     1  ┌                                                                  ┐ 1
     2  │                                                                  │ 2
     3  │                                                                  │ 3
     4  │            OPTIONS                                               │ 4
     5  │                                                                  │ 5
     6  │+DED MSNA   MISSION ADJUSTMENT                                    │ 6
     7  │                                                                  │ 7
     8  │+DED SRAD   SAR ASSIGNMENT                                        │ 8
     9  │                                                                  │ 9
    10  │+DED SADR   SAR REPORTS                                           │ 10
    11  │                                                                  │ 11
    12  │            AIR DEFENSE REPORTS                                   │ 12
    13  │                                                                  │ 13
    14  │+DED MSNR   MISSION REPORTS                                       │ 14
    15  │                                                                  │ 15
    16  │+DED RSTR   REQUESTS                                              │ 16
    17  │                                                                  │ 17
    18  │            STATUS REPORTS                                        │ 18
    19  │                                                                  │ 19
    20  │            TANKER REPORTS                                        │ 20
    21  │                                                                  │ 21
    22  │+DED DBDA   DATA BASE DISPLAYS                                    │ 22
    23  │                                                                  │ 23
    24  │+DED OPRA   OPERATOR ACTIONS                                      │ 24
    25  │                                                                  │ 25
    26  │                                                                  │ 26
    27  │                                                                  │ 27
    28  │                                                                  │ 28
    29  │                                                                  │ 29
    30  │                                                                  │ 30
    31  │                                                                  │ 31
    32  │+OPTIONS                                                          │ 32
        └                                                                  ┘
                  1         2         3         4         5         6
          12345678901234567890123456789012345678901234567890123456789012 34
```

Comment: This display contains the actions required to request the detailed
options lists that follow and the SAR Assignment processing request.

Figure 32

Top Level User Options List

Action: DED MSNA

Display Response:

```
                1         2         3         4         5         6
      12345678901234567890123456789012345678901234567890123456789012234

 1  ┌──────────────────────────────────────────────────────────────┐  1
 2  │                                                                │  2
 3  │                                                                │  3
 4  │           MISSION ADJUSTMENT                                   │  4
 5  │                                                                │  5
 6  │ +DED FPAD ------------    FIGHTER PLANNING ADJUSTMENT           │  6
 7  │                            [MSN NO/TARGET NO/REQ NO]            │  7
 8  │                                                                │  8
 9  │ +DED RPAD ------------    RECCE PLANNING ADJUSTMENT [MSN NO]    │  9
10  │                                                                │ 10
11  │ +DED SMPD                 SUPPORT MISSION PLANNING             │ 11
12  │                                                                │ 12
13  │ +DED CTRS                 CANDIDATE TARGET REQUIREMENTS SELECTION│13
14  │                                                                │ 14
15  │ +DED CCRS                 CANDIDATE CAS REQUIREMENTS SELECTION  │ 15
16  │                                                                │ 16
17  │ +DED CRRS                 CANDIDATE RECCE REQUIREMENTS SELECTION│ 17
18  │                                                                │ 18
19  │ +DED CFMS                 CANDIDATE FIGHTER MISSIONS SELECTION  │ 19
20  │                                                                │ 20
21  │ +DED CRMS                 CANDIDATE RECCE MISSIONS SELECTION    │ 21
22  │                                                                │ 22
23  │ +DED CFSD                 CANDIDATE FIGHTER MISSION SCHEDULE    │ 23
24  │                            DISPLAY REQUEST                      │ 24
25  │                                                                │ 25
26  │ +DED CRSD                 CANDIDATE RECCE MISSION SCHEDULE      │ 26
27  │                            DISPLAY REQUEST                      │ 27
28  │ +PREPARE FRAG                                                   │ 28
29  │                                                                │ 29
30  │ +CANCEL ------------ [MSN NO]                                   │ 30
31  │                                                                │ 31
32  │ +OPTIONS                                                        │ 32
    └──────────────────────────────────────────────────────────────┘
                1         2         3         4         5         6
      12345678901234567890123456789012345678901234567890123456789012234
```

Comment: This display contains operator actions required to control the
mission adjustment processing functions.

Figure 33

Mission Adjustment Operator Actions List

Action: DED SADR

Display Response:

```
            1         2         3         4         5         6
   123456789012345678901234567890123456789012345678901234567890123 4
  ┌──────────────────────────────────────────────────────────────┐
 1│                                                                │ 1
 2│                                                                │ 2
 3│                                                                │ 3
 4│          SAR REPORTS                                           │ 4
 5│                                                                │ 5
 6│+DED AIDR    AIRCRAFT IN DISTRESS                               │ 6
 7│                                                                │ 7
 8│+DED PRAD    AIRCRAFT IN DISTRESS POSITION                      │ 8
 9│                                                                │ 9
10│+DED DPRT    DOWNED PILOT                                       │10
11│                                                                │11
12│+DED SMPR    SEARCH AND RESCUE POSITION                         │12
13│                                                                │13
14│+DED SMRR    SEARCH AND RESCUE PROGRESS                         │14
15│                                                                │15
16│+PREPARE SAR FRAG                                               │16
17│                                                                │17
18│                                                                │18
19│          AIR DEFENSE REPORTS                                   │19
20│                                                                │20
21│+DED ADSM    AIR DEFENSE SCRAMBLE                               │21
22│                                                                │22
23│+DED ASVD    AIR SURVEILLANCE DATA                              │23
24│                                                                │24
25│+DED TAAD    TACTICAL ACTION DATA                               │25
26│                                                                │26
27│                                                                │27
28│                                                                │28
29│                                                                │29
30│                                                                │30
31│                                                                │31
32│+OPTIONS                                                        │32
  └──────────────────────────────────────────────────────────────┘
            1         2         3         4         5         6
   123456789012345678901234567890123456789012345678901234567890123 4
```

Comment: This display contains operator actions required to access the input message formats for SAR and Air Defense Reports.

Figure 34

Input Message Processing Actions-SAR and Air Defense

Action: DED MSNR

Display Response:

```
                 1         2         3         4         5         6
        1234567890123456789012345678901234567890123456789012345678901234

 1                                                                          1
 2                                                                          2
 3                                                                          3
 4              MISSION REPORTS                                             4
 5                                                                          5
 6   +DED ABTR    ABORT                                                     6
 7                                                                          7
 8   +DED ADEL    AIR DELAY                                                 8
 9                                                                          9
10   +DED CANX    CANCELLATION                                             10
11                                                                         11
12   +DED GDEL    GROUND DELAY                                             12
13                                                                         13
14   +DED ICSM    IMMEDIATE CAS SCRAMBLE                                   14
15                                                                         15
16   +DED IRSM    IMMEDIATE RECCE SCRAMBLE                                 16
17                                                                         17
18   +DED INFR    INFLIGHT                                                 18
19                                                                         19
20   +DED RSIR    JOINT TAC AIR RECCE/SURVEILLANCE INFLIGHT                20
21                                                                         21
22   +DED LDGR    LANDING                                                  22
23                                                                         23
24   +DED TKOR    TAKEOFF                                                  24
25                                                                         25
26                                                                         26
27                                                                         27
28                                                                         28
29                                                                         29
30                                                                         30
31                                                                         31
32   +OPTIONS                                                              32

                 1         2         3         4         5         6
        1234567890123456789012345678901234567890123456789012345678901234
```

Comment: This display contains operator actions required to access the
the input message formats for Mission Reports.

Figure 35

Input Message Processing Actions-Mission Reports

Action: DED RSTR

Display Response:

```
                 1         2         3         4         5         6
         12345678901234567890123456789012345678901234567890123456789012 34

 1                                                                       1
 2                                                                       2
 3                                                                       3
 4             REQUESTS                                                  4
 5                                                                       5
 6  +DED ACAQ -----        JOINT TAC AIR                    [REQ NO]     6
 7                                                                       7
 8  +DED ARSQ -------      JOINT TAC AIR RECCE/SURVEILLANCE [REQ NO]     8
 9                                                                       9
10                                                                      10
11             STATUS REPORTS                                           11
12                                                                      12
13  +DED ADFS ------      AIR DEFENSE FIGHTER STATUS        [UNIT]      13
14                                                                      14
15  +DED AFFS ----        AIRFIELD & FLIGHT FACILITY STATUS [BASE]      15
16                                                                      16
17  +DED TFAS ------      TACS FACILITY STATUS              [UNIT]      17
18                                                                      18
19  +DED TAUS ------      TACTICAL UNIT STATUS              [UNIT]      19
20                                                                      20
21                                                                      21
22             TANKER REPORTS                                           22
23                                                                      23
24  +DED ONSR            ON-STATION                                     24
25                                                                      25
26  +DED REFR            REFUELING                                      26
27                                                                      27
28                                                                      28
29                                                                      29
30                                                                      30
31                                                                      31
32  +OPTIONS                                                            32
                 1         2         3         4         5         6
         12345678901234567890123456789012345678901234567890123456789012 34
```

Comment: This display contains operator actions required to access
the input message formats for Requests and Status or Tanker Reports.

Figure 36

Input Message Processing Actions-Requests, Status and Tanker Reports

Action: DED DBDA

Display Response:

```
                 1         2         3         4         5         6
       12345678901234567890123456789012345678901234567890123456789012345678901234

    1  ┌───────────────────────────────────────────────────────────────────┐ 1
    2  │                                                                     │ 2
    3  │                                                                     │ 3
    4  │            DATA BASE DISPLAYS                                        │ 4
    5  │                                                                     │ 5
    6  │+DBD  1              AIR DEFENSE FIGHTER STATUS                       │ 6
    7  │+DBD  2 ------       AIR DEFENSE FRAG ORDER                           │ 7
    8  │+DBD  3              AIRFIELD AND FLIGHT FACILITY STATUS              │ 8
    9  │+DBD  4 -----        CAS REQUEST                                      │ 9
   10  │+DBD  5              COMMAND GUIDANCE                                 │ 10
   11  │+DBD  6 ------       FIGHTER ASSIGNMENT                               │ 11
   12  │+DBD  7 ---/         ICAS FRAG ORDER                                 │ 12
   13  │+DBD  8 ---/         IRECCE FRAG ORDER                               │ 13
   14  │+DBD  9 -------      RECCE REQUEST                                    │ 14
   15  │+DBD 10 ------       RECCE/EW ASSIGNMENT                              │ 15
   16  │+DBD 11 -----        SAR REQUIREMENT                                  │ 16
   17  │+DBD 12 ------       TAC ACTION DATA                                  │ 17
   18  │+DBD 13 ----         TAC BASE MUNITIONS STATUS                        │ 18
   19  │+DBD 14              TAC UNIT STATUS                                  │ 19
   20  │+DBD 15              TAC FACILITY STATUS                              │ 20
   21  │+DBD 16 ----         TARGET                                          │ 21
   22  │+DBD 17 ------       TRACK DATA                                      │ 22
   23  │+DBD 18              --- UNIT MISSIONS                               │ 23
   24  │+DBD 19 ---/         UNIT PLANNING                                   │ 24
   25  │                                                                     │ 25
   26  │                                                                     │ 26
   27  │                                                                     │ 27
   28  │                                                                     │ 28
   29  │                                                                     │ 29
   30  │                                                                     │ 30
   31  │                                                                     │ 31
   32  │+OPTIONS                                                             │ 32
       └───────────────────────────────────────────────────────────────────┘
                 1         2         3         4         5         6
       12345678901234567890123456789012345678901234567890123456789012345678901234
```

Comment: This display contains operator actions required to request
the display of selected data base files.

Figure 37

Data Base Display Actions

Action: DED OPRA

Display Response:

```
              1         2         3         4         5         6
     1234567890123456789012345678901234567890123456789012345678901234

 1  ┌──────────────────────────────────────────────────────────────┐  1
 2  │                                                                │  2
 3  │                                                                │  3
 4  │            OPERATOR ACTIONS                                    │  4
 5  │                                                                │  5
 6  │+INITIATE TDSDT                                                 │  6
 7  │                                                                │  7
 8  │+PREPARE FRAG                                                   │  8
 9  │                                                                │  9
10  │+PREPARE SAR FRAG                                               │ 10
11  │                                                                │ 11
12  │+MSN PAGE 1                                                     │ 12
13  │                                                                │ 13
14  │+SCHED PAGE 1 SET 1                                             │ 14
15  │                                                                │ 15
16  │+BUILD MISSION ------------ -                                   │ 16
17  │                                                                │ 17
18  │+CANCEL ------------                                            │ 18
19  │                                                                │ 19
20  │+DED BSDA   BUILD SCHEDULE DISPLAY ACTION                       │ 20
21  │                                                                │ 21
22  │+DISPLAY ------------ OBJECT ------------ PAGE 1                │ 22
23  │                                                                │ 23
24  │+DISPLAY ------------ PROP ------------ PAGE 1                  │ 24
25  │                                                                │ 25
26  │+DISPLAY ------------ FILE PAGE 1 SET 1                         │ 26
27  │                                                                │ 27
28  │                                                                │ 28
29  │                                                                │ 29
30  │                                                                │ 30
31  │                                                                │ 31
32  │+OPTIONS                                                        │ 32
    └──────────────────────────────────────────────────────────────┘
              1         2         3         4         5         6
     1234567890123456789012345678901234567890123456789012345678901234
```

Comment: This display contains a variety of processing control and display request actions.

Figure 38

Miscellaneous Operator Actions

5.1.2.3 Operator Errors and System Failures

System processing, as requested, by an operator, can be terminated for a
variety of reasons ranging from operator request errors to system equipment
failures. Each class of failure and their recovery procedures are discussed
in the following paragraphs. In all cases but system equipment failure or over-
loads the operator is notified of the failure through a descriptive notifica-
tion message (See Section 5.3.3 Alerts, Notifications and Printer Outputs).

5.1.2.3.1 Operator Error-Invalid Action

Manually executed operator requests are subject to typing or editorial errors
(e.g. DOD vs DED). These errors preclude proper system interpretation.
Operator requests are reviewed, upon receipt by the processing system, to
assure that they can be recognized as a legal operator action. Upon receipt
of an invalid operator action the processing system notifies the operator that
his request was invalid and cannot be processed. Correction and retransmission
of the intended action are required to initiate processing.

5.1.2.3.2 Operator Error-Invalid Parameters

Some operator actions require manually inserted parameters to fully define the
processing request (e.g. a specified mission number or a particular mission
type for mission data or schedule requests).

Many of the processing parameters required as a part of an operator action
have limited legal ranges or are restricted to a set of specified parameter
values. If an operator violates these parameter restrictions, the processing
system will notify him that the request, as presented, cannot be processed. The
improper parameter values must then be corrected and the total operator action
retransmitted to initiate the desired processing.

5.1.2.3.3 System Failure-System Overload

Since the TDSDT System is a multi user system operating on a bounded
equipment configuration, it is possible for a group of system operators
to initiate more processing requirements than the system can process within
accustomed system response times. When this condition occurs the processing
requests are queued and completed in sequence. For PDP-8 overloads, this
condition is observable at the user station through a blinking of the user
station display. This blinking indicates that the user station has not been
able to access the PDP-8. IBM-1800 overloads result only in a processing delay.
Failure to clear the overload condition and complete all operator processing
requests indicates an equipment failure resulting in a system abort (see
Paragraph 5.1.2.3.5).

5.1.2.3.4 System Failure-Processing Abort

Some operator actions, notably those associated with mission adjustment
processing, can contain processing requests that, though legal in format
and parameters, cannot be completed by the processing system. An example
of this type of system failure is a request to replan a specified mission
against a new requirement. The processing system may discover that the
mission is incapable of meeting the requirement due to fuel unavailability,
inability to meet a requested time over target or any of a variety of
other reasons that could not be assessed by the operator prior to his
request. In these situations the operator is notified of the condition
encountered and further processing is terminated. This allows the processing
system to handle other requests while the operator is reassessing the situation.
When a new course of action is identified the operator may reinitiate his request
with modified processing parameters (e.g., specifying an alternative mission
to satisfy the pending requirement).

5.1.2.3.5 System Failure - System Abort

By their nature, computers, display equipments and communication devices
fail from time to time. When this occurs in the TDSDT the failure may
range from a temporary interruption of service with no loss of data to a
major equipment malfunction that destroys the contents of system memories.
When a system abort has occurred and service has been resumed, the system
operator must determine what, if any, information or system control losses
have occurred. Four unique classes of system failure may exist and
require appropriate recovery actions. These are:

- Loss of system data base
- Loss of system control data
- Loss of simulation timing
- Loss of processing in progress

Each operator must assess the extent and impact of these losses relative
to his operational activity.

If the system data base has been lost the system must be reloaded and re-
started. Operator positions must be reassigned and activated and all
processing activities must be reinitiated.

If the system data base has been retained, but system control data has been
lost, the system status table must be reestablished to define the operating
environment. Operator position reactiviation will probably be required.

If simulation timing has been effected some message data may have been
lost. Depending on the operations in progress this may require resetting
the simulation function and a resumption of system operation at some
prior simulated time. For critical operations a simulation malfunction
may require a system restart to assure data base/simulation integrity.

For each system abort some processing activity will have been interrupted.
For many processing activities the processing can be reinitiated without
loss of data or damage to system files, however, where processing activities
have been partially completed and cannot be resumed at the point of the
abort, there exists the potential for loss of data base integrity when the
initial processing steps are repeated. In critical operating situations
each operator must assure that such damage has not occurred. If it has, and
cannot be corrected by operator action, the system must be restarted.

5.1.3 Basic Action/Response Sequences

This subsection presents four basic sequences of operator actions and
system responses as they could be applied by an operator. The action
sequences, as presented, make full use of the operator option lists and
indicate how these lists might be applied to a variety of operational
activities. Each sequence has been annotated to indicate the specific
actions required and methods available to take those actions. A brief
indication of the objective served by the sequence and a detailed presentation
of the display responses encountered are also given.

In the discussions that follow several actions are noted for optional direct
typing or selection from a previous display. These are situations in which
an experienced operator can eliminate the user option list requests and move
directly into a processing activity.

5.1.3.1 User Station Assignment Sequence

This sequence of actions/responses would be used when a new operating position
was to be activated. It covers activation of the user station and redistribution
of the operational subfunctions to the expanded set of operator positions.

Action: ←S OPS 7 or OPTIONS

The ←S OPS 7 action would be taken to activate a new user station (or reactivate
the station under certain error conditions); the OPTIONS action can be typed or
selected from a previous display if redistribution of active user stations is
required.

Display Response

                                    OPTIONS
            +DED MSNA   MISSION ADJUSTMENT
            +DED SRAD   SAR ASSIGNMENT
            +DED SADR   SAR REPORTS
                                    AIR DEFENSE REPORTS
            +DED MSNR   MISSION REPORTS
            +DED RSTR   REQUESTS
                                    STATUS REPORTS
                                    TANKER REPORTS
            +DED DBDA   DATA BASE DISPLAYS
            +DED OPRA   OPERATOR ACTIONS

            +OPTIONS

Comment: This response is the top level user options list to be used to
access the detailed level options lists.

Action: DED OPRA

This action can be typed directly or be selected from the previous display.

Display Response

OPERATOR ACTIONS

    +INITIATE TDSDT

    +PREPARE FRAG

    +PREPARE SAR FRAG

    +MSN PAGE 1

    +SCHED PAGE 1 SET 1

    +BUILD MISSION ------------ -

    +CANCEL ------------

    +DED BSDA   BUILD SCHEDULE DISPLAY ACTION

    +DISPLAY ------------ OBJECT ------------ PAGE 1

    +DISPLAY ------------ PROP ------------ PAGE 1

    +DISPLAY ------------ FILE PAGE 1 SET 1

    +OPTIONS

Comment: This response is a detailed level user options list that can be used
to eliminate the requirement to type the next action in this sequence.

Action: INITIATE TDSDT

This action can be typed directly or be selected from the previous display.

Display Response

INITIATE REVISE   TDSDT STATUS   01 JUL (182) 1707 HRS
DISK PACKS: SDC004   ------   SDC 008   ------
STATION   MODE   ASSIGNMENTS
A1   CUROPS   INT/CA   ICAS   PCAS   AIRDEF
A2   CUROPS   IREC   PREC   -------   -------
A3   CUROPS   EW   TANKER   SAR   -------

B1   STANDARD   -------   -------   -------   -------
B2   STANDARD   -------   -------   -------   -------
B3   STANDARD   -------   -------   -------   -------

TDSAM   STANDARD   -------   -------   -------   -------

SIM: OFF   MON: OFF   SIM TIME: ----   SIM DATE: -- ---
C/O SIM: OFF   C/E MON: OFF   TIME ADVANCE: -   FRAG: --

Comment: This response is a two way display to be used by the operator to
review current assignments and to transmit assignment changes.

Action: INITIATE REVISE   TDSDT STATUS

This action is taken by modifying the content of the previous display and
transmitting it as an operator request.

Result: This action initiates or modifies the system status table. The
subfunction assignments control distribution of function specific input
messages, alerts and operator notifications.

Codes: The position assignment codes used in this action are as follows:

Function	Subfunction	Assignment Code
Fighter Operations		
	Interdiction/Counter Air	INT/CA
	Immediate CAS	ICAS
	Preplanned CAS	PCAS
	Air Defense	AIRDEF
RECCE Operations		
	Immediate RECCE	IREC
	Preplanned RECCE	PREC
	Electronic Warfare	EW
Tanker Operations		
	Aerial Refueling	TANKER
SAR Operations	Search and Rescue	SAR

5.1.3.2 Mission Review Sequence

This sequence of actions/responses would be used when an operator wished to
review the mission schedules of a specified class of missions and then
examine in detail the mission plan and status of a single mission.

Action: OPTIONS or ←S OPS 7

The OPTIONS action would normally be selected from a preceeding display or
be typed directly. The ←S OPS 7 action would be used to activate the
operator position and then proceed directly into the mission review activity.

Display Response

	OPTIONS
+DED MSNA	MISSION ADJUSTMENT
+DED SRAD	SAR ASSIGNMENT
+DED SADR	SAR REPORTS
	AIR DEFENSE REPORTS
+DED MSNR	MISSION REPORTS
+DED RSTR	REQUESTS
	STATUS REPORTS
	TANKER REPORTS
+DED DBDA	DATA BASE DISPLAYS
+DED OPRA	OPERATOR ACTIONS

+OPTIONS

Comment: This response is the top level user options list.

Action: DED OPRA

This action can be typed directly or be selected from the previous display.

Display Response

                        OPERATOR ACTIONS
          +INITIATE TDSDT
          +PREPARE FRAG
          +PREPARE SAR FRAG
          +MSN PAGE 1
          +SCHED PAGE 1 SET 1
          +BUILD MISSION ------------ -
          +CANCEL ------------
          +DED BSDA   BUILD SCHEDULE DISPLAY ACTION
          +DISPLAY ------------ OBJECT ------------ PAGE 1
          +DISPLAY ------------ PROP ------------ PAGE 1
          +DISPLAY ------------ FILE PAGE 1 SET 1

          +OPTIONS

Comment: This response is a detailed level user options list.

<u>Action</u>: DED BSDA

This action can be typed directly or be selected from the previous display.

<u>Display Response</u>

        BUILD SCHEDULE DISPLAY ACTION

        SCHEDULE TYPE   RECCE

        ORDER BY   ETD   ETD/ETOT

        INTERVAL TYPE   D   BEFORE/AFTER/DURING

        DATE/TIME   252/1400 TO 1800

        PRINT SCHEDULE -   YES

        +OPTIONS   +DBD BSDA

Comment: This response is a two way display presenting the format for the
next required operator action. It has been presented as it would appear
after operator modification requesting a RECCE missions schedule.

Action: BUILD SCHEDULE DISPLAY ACTION

This action is taken by modifying and transmitting the previous display.

Display Response

SCHED PAGE 1 SET 1
              RECCE MISSION SCHEDULE

                                        PAGE 1 OF 1 SET 1 OF 2

```
              A/C
MSN NO        NO TYPE   ETD  ATD  STOT ATOT ETR  ATR  REQ NO  P
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXXXX X
```

+OPTIONS   +BUILD MISSION ------------   +PRINT

Comment: This response presents the first set of information on
the requested mission type.

Action: SCHED PAGE 1 SET 2

This action is taken by modifying and transmitting the first line of the previous display.

Display Response

SCHED PAGE 1 SET 2

          RECCE MISSION SCHEDULE

                                        PAGE 1 OF 1 SET 2 OF 2

                              NO.OF
MSN NO   C/S   REQ   RESULTS/REMARKS
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXX XXXXXXXXXXXXXX   X   XXXXXXXXXXXXXXXXXXXXXXXXXX

+OPTIONS   +BUILD MISSION ------------   +PRINT

Comment: This response completes the presentation of data on the RECCE mission schedules.

<u>Action</u>: BUILD MISSION XXXXXXXXXXX

This action is taken by modifying and transmitting the action block
in the bottom line of the previous display.

<u>Display Response</u>

MSN PAGE 1

    MISSION NO XXXXXXXXXXX

             PAGE 1 OF 3

C/S	A/C NO TYPE	RECALL	STATUS		
XXXXXXXXXXXXXX	XX XXXXXX	XXXXXXXXX	X		
			SCHED TIME	ACTUAL TIME	
ROUTE					
DEP BASE	XXXX		XXXX	XXXX	
PRE REFUEL	X		XXXX	XXXX	
RENDEZVOUS	XXXXXXXXXXX		XXXX		
INGRESS OFFSET PT	XXX		XXXX		
INGRESS POINT	XX		XXXX		
REQ-1 OR ORBIT PT	XXXXXXXXXXX		XXXX	XXXX	
REQ-2	XXXXXXX		XXXX	XXXX	
REQ-3	XXXXXXX		XXXX	XXXX	
REQ-4	XXXXXXX		XXXX	XXXX	
EGRESS POINT	XX		XXXX		
EGRESS OFFSET PT	XXX		XXXX		
POST REFUEL	X		XXXX	XXXX	
RECOVERY BASE	XXXX		XXXX	XXXX	

ABN ABORTED NOT RETURNED

XX XX   XX

REMARKS-1 ◄XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX►
REMARKS-2 ◄XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX►
 +OPTIONS   +PRINT
Comment: This response is the first page of detailed mission data on the

selected mission. The format is for RECCE missions.

Action: MSN PAGE 2

This action is taken by modifying and transmitting the first line of
the previous display.

Display Response

MSN PAGE 2

                    MISSION NO XXXXXXXXXXX

                                        PAGE 2 OF 3

CONTROL AGENCY   FREQ

XXXXXXXXXXXXXXX   XXXXX

ABORT
LDG TIME   BASE   REASON
XXXX   XXXX   XXXXX

A/C NOT RETURNED
NO C/S   REASON   LOCATION
XX XXXXXXXXXXXXXX   XXXXX   XXXXXXXXXXXX

REFUELING
      MSN NO   C/S   FREQ   AREA   REQ   ACTUAL
PRE   XXXXXXXXXXX XXXXXXXXXXXXXX   XXXXX   X   XXXXX XXXXX
POST XXXXXXXXXXX XXXXXXXXXXXXXX   XXXXX   X   XXXXX XXXXX

SUP MSN   ORBIT PT   ORBIT TIME
XXXXXXXXXXX   XXXXXXXXXXX   XXXX TO XXXX

XXXXXXXXXXX

XXXXXXXXXXX

XXXXXXXXXXX   REPLACES MSN NO

XXXXXXXXXXX   XXXXXXXXXXX

+OPTIONS   +PRINT

Comment: This response is page two of the selected RECCE mission data.

Action: MSN PAGE 3

This action is taken by modifying and transmitting the first line of the previous display.

Display Response

MSN PAGE 3

MISSION NO XXXXXXXXXXX

PAGE 3 OF 3

```
                       A/C
C/S                    NO TYPE    NO OF REQ
XXXXXXXXXXXXXXX XX XXXXXX  XX

REQ-1   TOT  P   TGT NO TGT CATEGORY
XXXXXXX XXXX X    XXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TGT LOC          AREA              SPEC EEI
A XXXXXXXXXXXX   XXXXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX
B XXXXXXXXXXXX
C XXXXXXXXXXXX   RECCE TYPE              PHOTO TYPE
D XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXX    XXXXXXXXXXXXXXX
E XXXXXXXXXXXX
F XXXXXXXXXXXX

FILM TYPE          MAP CHART
XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

SCALE              PRODUCTS              NO OF COPIES
XXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXX XXXXXXXX

DELIVERY TIME
XXXXXXXXXXXXXXXXXX

SPECIAL INSTRUCTIONS
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

+OPTIONS   +PRINT

Comment: This response presents page three describing the selected RECCE mission. For a RECCE mission covering multiple requirements up to three additional pages in this format may be available.

5.1.3.3 RECCE Planning Sequence

This sequence of actions/responses would be used when an operator wished
to make a RECCE adjustment or plan a new RECCE mission. It might
logically follow the mission review activity of the preceeding sequence.

Action: OPTIONS OR ◄ S OPS 7

The OPTIONS action would normally initiate this sequence and could be
selected from a preceding display.

Display Response

                        OPTIONS
+DED MSNA   MISSION ADJUSTMENT
+DED SRAD   SAR ASSIGNMENT
+DED SADR   SAR REPORTS
                        AIR DEFENSE REPORTS
+DED MSNR   MISSION REPORTS
+DED RSTR   REQUESTS
                        STATUS REPORTS
                        TANKER REPORTS
+DED DBDA   DATA BASE DISPLAYS
+DED OPRA   OPERATOR ACTIONS

+OPTIONS

Comment: This response is the top level user options list.

Action: DED MSNA

This action could be typed directly or be selected from the preceding
display.

Display Response

              MISSION ADJUSTMENT

+DED FPAD ------------   FIGHTER PLANNING ADJUSTMENT
                               (MSN NO/TARGET NO/REQ NO)

+DED RPAD -----------   RECCE PLANNING ADJUSTMENT (MSN NO)

+DED SMPD   SUPPORT MISSION PLANNING

+DED CTRS   CANDIDATE TARGET REQUIREMENTS SELECTION

+DED CCRS   CANDIDATE CAS REQUIREMENTS SELECTION

+DED CRRS   CANDIDATE RECCE REQUIREMENTS SELECTION

+DED CFMS   CANDIDATE FIGHTER MISSIONS SELECTION

+DED CRMS   CANDIDATE RECCE MISSIONS SELECTION

+DED CFSD   CANDIDATE FIGHTER MISSION SCHEDULE
                               DISPLAY REQUEST

+DED CRSD   CANDIDATE RECCE MISSION SCHEDULE
                               DISPLAY REQUEST

+PREPARE FRAG

+CANCEL ------------ (MSN NO)

+OPTIONS

Comment: This response is the detailed user options list covering
mission adjustment actions.

Action: DED CRMS

This action could be typed directly or be selected from the previous
display.

Display Response

CMSD   CANDIDATE RECCE MISSIONS SELECTION
START ETD (252/1400)   END ETD   (252/1800)
EXAMINE ALERT FIRST   YES HIGHEST PRIORITY   2
NO OF SORTIES   3
      FOR CANDIDATE RECCE MISSION SCHEDULE DISPLAY ENTER
            REQ NO (-------)   TOT   ---/---
            INGRESS PT --   EGRESS PT   --

+OPTIONS   +DED CRMS

Comment: This response is a two-way display presenting the format for
operator requests for Candidate RECCE Mission Selection processing. The
display is presented as it might appear after operator insertion of the
processing parameters.

Action: CMSD   CANDIDATE RECCE MISSIONS SELECTION

This action is taken by modifying and transmitting the previous display.

Display Response

CMSD PAGE 1
6 CANDIDATE MISSIONS

```
              CANDIDATE RECCE MISSIONS    PAGE 1 OF 1
              A/C       ALERT OR        REQ        REQ
MSN NO        NO TYPE   ETD  ETR  REQ   NO-1   P   NO-2   P
XXXXXXXXXXX   XX XXXXXX XXXX XXXX XX    XXXXXXX X   XXXXXXX X

XXXXXXXXXXX   XX XXXXXX XXXX XXXX XX    XXXXXXX X   XXXXXXX X

XXXXXXXXXXX   XX XXXXXX XXXX XXXX XX    XXXXXXX X   XXXXXXX X

XXXXXXXXXXX   XX XXXXXX XXXX XXXX XX    XXXXXXX X   XXXXXXX X

XXXXXXXXXXX   XX XXXXXX XXXX XXXX XX    XXXXXXX X   XXXXXXX X

XXXXXXXXXXX   XX XXXXXX XXXX XXXX XX    XXXXXXX X   XXXXXXX X
```

+OPTIONS   +DED RPAD ------------   +PRINT

Comment: This response presents the candidate RECCE missions that qualify
within the operator specified processing parameters.

<u>Action:</u> DED RPAD XXXXXXXXXXXX

This action can be typed directly or be selected from the bottom line
of the previous display. It may include a specified mission number.

<u>Display Response</u>

```
RPAD        RECCE PLANNING ADJUSTMENT
UNIT      (------) OR MSN NO ------------  BASE ----
A/C TYPE  (------)    NO OF SORTIES (--)
REQ NO  1 (-------)     2 -------  3 -------  4 -------
TOT   (---/----)     TOT FOR REQ NO -
INGRESS PT --     EGRESS PT --
REMARKS  <------------------------------------------------->
```

+OPTIONS +DED RPAD ------------

Comment: This response is a two-way display presenting the request format
for the operator action specifying an adjusted RECCE mission. Mission data
is included in the original display if a mission number has been specified
in the action. The blank format is presented otherwise.

Action: RPAD   RECCE PLANNING ADJUSTMENT

This action is taken by completing the data insertions required to
complete the previous display and then transmitting the display as an
operator request.

Display Response

MSN PAGE 1

                    MISSION NO XXXXXXXXXXX

                                        PAGE 1 OF 3

                    A/C
C/S   NO TYPE   RECALL   STATUS
XXXXXXXXXXXXXXX XX XXXXXX   XXXXXXXXXX   X
                                SCHED   ACTUAL
    ROUTE   TIME   TIME
DEP BASE   XXXX   XXXX   XXXX
PRE REFUEL   X   XXXX   XXXX
RENDEZVOUS   XXXXXXXXXXXX XXXX
INGRESS OFFSET PT XXX   XXXX
INGRESS POINT   XX   XXXX
REQ-1 OR ORBIT PT XXXXXXXXXXX   XXXX   XXXX
REQ-2   XXXXXXX   XXXX   XXXX
REQ-3   XXXXXXX   XXXX   XXXX
REQ-4   XXXXXXX   XXXX   XXXX
EGRESS POINT   XX   XXXX
EGRESS OFFSET PT   XXX   XXXX
POST REFUEL   X   XXXX   XXXX
RECOVERY BASE   XXXX   XXXX   XXXX

ABN ABORTED   NOT RETURNED
XX XX   XX

REMARKS 1 <XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX>
REMARKS 2 <XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX>

+OPTIONS   +PRINT

Comment: This response is the first page of the mission display
describing the adjusted mission. Additional pages of this display can
be seen by modifying and transmitting line one of the display.

Action: OPTIONS

This action can be typed directly or be selected from the previous display.

Display Response

```
                OPTIONS
+DED MSNA       MISSION ADJUSTMENT
+DED SRAD       SAR ASSIGNMENT
+DED SADR       SAR REPORTS
                AIR DEFENSE REPORTS
+DED MSNR       MISSION REPORTS
+DED RSTR       REQUESTS
                STATUS REPORTS
                TANKER REPORTS
+DED DBDA       DATA BASE DISPLAYS
+DED OPRA       OPERATOR ACTIONS
```


+OPTIONS

Comment: This response is the top level user options list.

Action: DED OPRA

This action can be typed directly or be selected from the previous
display.

Display Response

                        OPERATOR ACTIONS

+INITIATE TDSDT

+PREPARE FRAG

+PREPARE SAR FRAG

+MSN PAGE 1

+SCHED PAGE 1 SET 1

+BUILD MISSION ----------- -

+CANCEL -----------

+DED BSDA   BUILD SCHEDULE DISPLAY ACTION

+DISPLAY ----------- OBJECT ----------- PAGE 1

+DISPLAY ----------- PROP ----------- PAGE 1

+DISPLAY ----------- FILE PAGE 1 SET 1

+OPTIONS

Comment: This response is a detailed user options list.

Action: PREPARE FRAG

This action can be typed directly or be selected from the previous
display.

RESULT: This action causes an Adjustment to Frag Order message to be
prepared and transmitted for the adjusted mission. Any other missions
adjusted since the last PREPARE FRAG action will also be processed.

5.1.3.4 Manual Input Sequence

This sequence of actions/responses would be used by an operator to insert
a manual input message into the system data base and processing flow.

<u>Action</u>: OPTIONS or ◄S OPS 7

The OPTIONS action would normally initiate this sequence and could be selected
from a preceding display.

<u>Display Response</u>

	OPTIONS
	OPTIONS
+DED MSNA	MISSION ADJUSTMENT
+DED SRAD	SAR ASSIGNMENT
+DED SADR	SAR REPORTS
	AIR DEFENSE REPORTS
+DED MSNR	MISSION REPORTS
+DED RSTR	REQUESTS
	STATUS REPORTS
	TANKER REPORTS
+DED DBDA	DATA BASE DISPLAYS
+DED OPRA	OPERATOR ACTIONS

+OPTIONS

Comment: This response is the top level user options list.

Action: DED SADR

This action could be typed directly or be selected from the preceding
display.

Display Response

                    SAR REPORTS
+DED AIDR   AIRCRAFT IN DISTRESS
+DED PRAD   AIRCRAFT IN DISTRESS POSITION
+DED DPRT   DOWNED PILOT
+DED SMPR   SEARCH AND RESCUE POSITION
+DED SMRR   SEARCH AND RESCUE PROGRESS
+PREPARE SAR FRAG

                    AIR DEFENSE REPORTS
+DED ADSM   AIR DEFENSE SCRAMBLE
+DED ASVD   AIR SURVEILLANCE DATA
+DED TAAD   TACTICAL ACTION DATA

+OPTIONS

Comment: This response is a detailed user options list containing operator
requests for input formats for SAR and Air Defense manual input reports.

Action: DED AIDR

This action could be typed directly or be selected from the previous
display.

Display Response

ENTER AIDR AIRCRAFT IN DISTRESS REPORT
MSN NO (------------)   C/S   (------------)
POSITION (------------)   ALTITUDE (--)
TIME   (---/----)   HEADING   (---)   PATTERN   ----------
REMARKS ◄--►

+OPTIONS   +DED AIDR

Comment: This response is the blank format for operator insertion of a
manual Aircraft in Distress Report.

Action: ENTER AIDR   AIRCRAFT IN DISTRESS REPORT

This action is taken by inserting the message data in the preceding
display and transmitting the executed display as an operator request.

RESULT: The manual message will be validity checked and released for
system processing.

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5.2 OPERATOR ACTIONS

5.2.1 Introduction to the Action Catalog

The following section presents the actions available to an operator in the
CUROPS mode. These actions allow the operator to control system processing
and make display requests. For each action listed, the catalog also identifies
the system function or operational activity associated with the action, the
system responses resulting from the action and additional remarks required to
define the operator's use of the action. Each column of the catalog forms
are discussed in greater detail below.

5.2.1.1 Operator Action

This column of the form contains the operator actions as they would be typed
or selected by the operator. Parentheses () indicate variable data or
processing parameters included within the actions. The entire catalog is
alphabetized by this column.

Closely related actions such as the two-way operator action displays and their
associated requests are grouped under the basic display request (e.g., DED ABTR
followed by ENTER ABTR XXX). The actions that would be out of alphabetic order
because of this grouping are also listed in their proper individual order to
assist in operator referencing.

5.2.1.2 System Function/Operational Activity - Page

These columns of the form contain identification of the system functions or
operator activities supported by the action. This data and the associated page
references provide a cross-reference index to Volume I of the specification
where additional descriptive data may be found.

5.2.1.3 System Response - Page

These columns of the form contain identification of the system responses
generated as a result of the operator action. They may be displays, printouts,
operator notifications or processing initiation. The page references provide
a cross-reference index to the system response catalogs (Sections 5.3.2 - Displays
and 5.3.3 - Alerts, Notifications and Printer Outputs) or the basic specification
where detailed descriptions of the responses may be found.

5.2.1.4 Remarks

This column of the form contains additional descriptive data defining the action
and normally contains the primary specification reference for the action.

5.2.2 <u>Action Catalog</u>

The following pages present each operator action available in the CUROPS mode
of TDSDT operation.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
←S OPS 7	System Control Activates a user station	30	Display OPTIONS	822	Defined on page 30. Presents the top level operator action list.
BUILD MISSION (Msn No) (Print)	Display Control and Generation Display request RECCE missions Fighter missions Refueling missions SAR missions Processing definition	381 381 398 415 419 424	Display MISSION NO (Mission Number)	821	Defined on page 485. Presents page one of a mission display of the designated mission. The resulting display is presented on the user station display unless the "print" indicator in the request is set to "y" requesting presentation on the user station printer. Subsequent pages of the resulting display are requested by the action "MSN PAGE (n)".
BUILD SCHEDULE DISPLAY ACTION (Parameters)	Display Control and Generation RECCE/EW schedules Fighter schedules	355 362	Displays RECCE MISSION SCHEDULE IRECCE MISSION SCHEDULE PRECCE MISSION SCHEDULE EW MISSION SCHEDULE FIGHTER MISSION SCHEDULE PFIGHTER MISSION SCHEDULE CAS MISSION SCHEDULE ICAS MISSION SCHEDULE PCAS MISSION SCHEDULE IN/CA MISSION SCHEDULE ESCORT MISSION SCHEDULE CAP MISSION SCHEDULE	823 820 823 819 819 823 814 819 823 820 818 814	Defined on page 486. Presents page one, set one of the mission schedules for designated mission types. The resulting display is presented on the user station display unless the "print" indicator in the request is set to "y" requesting presentation on the user station printer. Subsequent pages and sets of the resulting display are requested by the action "SCHED PAGE (n) SET (m)."

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
	Refueling schedules	371	REFUELING MISSION SCHEDULE	823	This action requires operator insertion of request parameters into a request format that is presented in response to the action "DED BSDA".
	SAR schedules	376	SEARCH AND RESCUE MISSION SCHEDULE	824	
	Processing Definition	424			
CANCEL (Msn No)	Mission Adjustment Mission deletion	130 153 219	Display MISSION DELETED Printout This action will cause a Deleted MISSION FRAG Order Adjustment upon the next "PREPARE FRAG" action.	820 830	Defined on pages 480 and 485. Deletes or redesignates references to the designated mission in the data base
CMSD CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST	See "DED CFSD"				Defined on page 786
CMSD CANDIDATE FIGHTER MISSION SELECTION	See "DED CFMS"				Defined on page 785.
CMSD CANDIDATE RECCE MISSION SCHEDULE DISPLAY REQUEST	See "DED CRSD"				Defined on page 787.
CMSD CANDIDATE RECCE MISSIONS SELECTION	See "DED CRMS"				Defined on page 786.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
CRSD CAS CANDIDATE CAS REQUIREMENTS SELECTION	See "DED CCRS"				Defined on page 785.
CRSD RECCE CANDIDATE RECCE REQUIREMENTS SELECTION	See "DED CRRS"				Defined on page 787.
CRSD CANDIDATE TARGET REQUIREMENTS SELECTION	See "DED CTRS"				Defined on page 788.
D8D 1	Display Control and Generation				Defined on page 484.
	Display request	488	Display		Presents a display of the Air Defense Fighter Status File.
			DISPLAY ADFTRSTAT FILE PAGE 1 SET 1	816	
	Format	494			
D8D 2	Display Control and Generation				Defined on page 484.
	Display request	488	Display		Presents a display of the Air Defense Frag Order file.
			DISPLAY ADFRAG FILE PAGE 1 SET 1	816	
	Format	495			
D8D 2 (Unit)	Display request	488	Display		Presents a display of the Air Defense Frag Order file property values for the designated unit.
			DISPLAY ADFRAG OBJECT (unit designator) PAGE 1	816	
DBD 3	Display Control and Generation				Defined on page 484.
	Display request	488	Display		Presents a display of the Air Field and Flight Facility Status File.
			DISPLAY AFLD/FLTFAC FILE PAGE 1 SET 1	816	
	Format	496			

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 4	Display Control and Generation				Defined on page 4B4.
	Display request	488	Display DISPLAY PCASREQUEST FILE PAGE 1 SET 1	816	Presents a display of the Preplanned Close Air Support Request File.
	Format	520			
DBD 4 (Req No)	Display request	488	Display DISPLAY PCASREQUEST OBJECT (Request Number) PAGE 1	B16	Presents a display of the Preplanned Close Air Support Request File property values for the designated request number.
DBD 5	Display Control and Generation				Defined on page 484.
	Display request	488	Display DISPLAY COMGUID FILE PAGE 1 SET 1	B16	Presents a display of the Command Guidance file.
	Format	5D2			
DBD 6	Display Control and Generation				Defined on page 484.
	Display request	488	Display DISPLAY FTRASGN FILE PAGE 1 SET 1	816	Presents a display of the Fighter Assignment file.
	Format	5D7			
DBD 6 (Unit)	Display request	488	Display DISPLAY FTRASGN OBJECT (unit designator) PAGE 1	816	Presents a display of the Fighter Assignment file property values for the designated unit.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 7	Display Control and Generation				Defined on page 484.
	Display request	488	Display DISPLAY ICASFRAG FILE PAGE 1 SET 1	816	Presents a display of the Immediate Close Air Support Frag Order file.
	Format	508			
DBD 7 (Unit/)	Display request	488	Display DISPLAY ICASFRAG OBJECT (unit designator) PAGE 1	816	Presents a display of the Immediate Close Air Support Frag Order file property values for the designated unit.
DBD 8	Display Control and Generation				Defined on page 484.
	Display request	488	Display DISPLAY IRECFRAG FILE PAGE 1 SET 1	816	Presents a display of the Immediate Reconnaissance Frag Order file.
	Format	511			
DBD 8 (Unit/)	Display request	488	Display DISPLAY IRECFRAG OBJECT (unit designator) PAGE 1	816	Presents a display of the Immediate Reconnaissance Frag Order file property values for the designated unit.
DBD 9	Display Control and Generation				Defined on page 484.
	Display request	488	Display DISPLAY PRECREQUEST FILE PAGE 1 SET 1	816	Presents a display of the Preplanned Air Reconnaissance Request file.
	Format	532			
DBD 9 (Req No)	Display request	488	Display DISPLAY PRECREQUEST OBJECT (request number) PAGE 1	816	Presents a display of the Preplanned Air Reconnaissance Request file property values for the designated request number.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 10	Display Control and Generation				
	Display request	488	Display DISPLAY RECCE/EWASGN FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Reconnaissance/Electronic Warfare Assignment file.
	Format	538			
DBD 10 (Unit)	Display request	488	Display DISPLAY RECCE/EWASGN OBJECT (unit designator) PAGE 1	816	Presents a display of the Reconnaissance/Electronic Warfare Assignment file property values for the designated unit.
DBD 11	Display Control and Generation				
	Display request	488	Display DISPLAY SARREQ FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Search and Rescue Requirements file.
	Format	542			
DBD 11 (Req No)	Display request	488	Display DISPLAY SARREQ OBJECT (requirement number) PAGE 1	816	Presents a display of the Search and Rescue Requirements file property values for the designated requirement number.
DBD 12	Display Control and Generation				
	Display request	4B8	Display DISPLAY TACACTDATA FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Tactical Action Data file.
	Format	546			
DBD 12 (Track No)	Display request	48B	Display DISPLAY TACACTDATA OBJECT (track number) PAGE 1	816	Presents a display of the Tactical Action Data file property values for the designated track number.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 13	Display Control and Generation				
	Display request	488	Display DISPLAY BASEMUNSTAT FILE PAGE 1 SET 1		Defined on page 484.
	Format	548		816	Presents a display of the Tactical Base Munitions Status file.
DBD 13 (Base)	Display request	488	Display DISPLAY BASEMUNSTAT OBJECT (base designator) PAGE 1	816	Presents a display of the Tactical Base Munitions Status file property values for the designated base.
DBD 14	Display Control and Generation				
	Display request	488	Display DISPLAY TACUNITSTAT FILE PAGE 1 SET 1		Defined on page 484.
	Format	550		816	Presents a display of the Tactical Unit Status file.
DBD 15	Display Control and Generation				
	Display request	488	Display DISPLAY TACSFACSTAT FILE PAGE 1 SET 1		Defined on page 484.
	Format	547		816	Presents a display of the TACS Facility Status file.
DBD 16	Display Control and Generation				
	Display request	488	Display DISPLAY TARGET FILE PAGE 1 SET 1		Defined on page 484.
	Format	552		816	Presents a display of the Target file.
DBD 16 (Target No)	Display request	488	Display DISPLAY TARGET OBJECT (target number) PAGE 1	816	Presents a display of the Target file property values for the designated target number.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 17	Display Control and Generation				
	Display request	488			Defined on page 484.
	Format	553	Display DISPLAY TRACKDATA FILE PAGE 1 SET 1	816	Presents a display of the Track Data file.
DBD 17 (Track No)	Display request	488	Display DISPLAY TRACKDATA OBJECT (track number) PAGE 1	816	Presents a display of the Track Data file property values for the designated track number.
DBD 18 (Unit)	Display Control and Generation				
	Display request	488			Defined on page 484.
	Format	558-559	Display DISPLAY (unit)MSN FILE PAGE 1 SET 1	816	Presents a display of the Mission file for the designator unit.
DBD 19	Display Control and Generation				
	Display request	488			Defined on page 484.
	Format	556	Display DISPLAY UNITPLAN FILE PAGE 1 SET 1	816	Presents a display of the Unit Planning file.
DBD 19 (Unit/)	Display request	488	Display DISPLAY UNITPLAN OBJECT (unit designator) PAGE 1	816	Presents a display of the Unit Planning file property values for the designated unit.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ABTR	Input Message Processing Request blank Data Entry Display	50	Display ENTER ABTR ABORT REPORT	817	Defined on page 482. Abort Report format for Manual message entry.
ENTER ABTR ABORT REPORT	Input Message Processing Enter a manual input message	50	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 50 and 292. Enters the manual Abort Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED ACAQ	Input Message Processing Request blank Data Entry Display	78	Display MULTI ACAQ JOINT TAC AIR REQ	821	Defined on page 483. Joint Tactical Air Request format for manual message entry.
DED ACAQ (Req No)	Request Data Entry Display with inserted data for designated request number				
MULTI ACAQ JOINT TAC AIR REQ	Input Message Processing Enter a manual input message (part 1)	78	Notification INPUT COMPLETE or	836	Defined on pages 78 and 309-310. Enters the manual Joint Tactical Air Request upon transmission of the executed message content.
MULTI ACAQ2 JOINT TAC AIR REQ	Enter a manual input message (part 2)		Notification ERROR	833	Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ADEL	Input Message Processing Request blank Data Entry Display	56	Display ENTER ADEL AIR DELAY REPORT	817	Defined on page 482. Air Delay Report format for manual message entry.
ENTER ADEL AIR DELAY REPORT	Input Message Processing Enter a manual input message	56	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 56 and 295. Enters the manual Air Delay Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED ADFS	Input Message Processing Request blank Data Entry Display	52	Display ENTER ADFS AIR DEFENSE FIGHTER STATUS REPORT	817	Defined on page 483. Air Defense Fighter Status Report format for manual message entry.
DED ADFS (unit)	Request Data Entry Display with inserted data for designated unit.				
ENTER ADFS AIR DEFENSE FIGHTER STATUS REPORT	Input Message Processing Enter a manual input message	52	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 52 and 293. Enters the manual Air Defense Fighter Status Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ADSM	Input Message Processing Request blank Data Entry Display	54	Display ENTER ADSM AIR DEFENSE SCRAMBLE REPORT	817	Defined on page 481. Air Defense Scramble Report format for manual message entry.
ENTER ADSM AIR DEFENSE SCRAMBLE REPORT	Input Message Processing Enter a manual input message	54	Notification INPUT COMPLETE	836	Defined on pages 54 and 294. Enters the manual Air Defense Scramble Report upon transmission of the executed message content.
			or Notification ERROR	833	Returns the erroneous DED to operator for correction.
DED AFFS	Input Message Processing Request blank Data Entry Display	60	Display MULTI AFFS AIRFIELD & FLIGHT FACILITY STATUS REPORT	822	Defined on page 483. Airfield and Flight Facility Status Report format for manual message entry.
DED AFFS (Base)	Request data entry display with inserted data for designated base				
MULTI AFFS AIRFIELD & FLIGHT FACILITY STATUS REPORT	Input Message Processing Enter a manual input message (part 1).	60	Notification INPUT COMPLETE	836	Defined on pages 60 and 298-299. Enters the manual Airfield and Flight Facility Status Report upon transmission of the executed message content.
MULTI AFFS2 AIRFIELD & FLIGHT FACILITY STATUS REPORT	Enter a manual input message (part 2).		or Notification ERROR	833	Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED AIDR	Input Message Processing Request blank Data Entry Display	58	Display ENTER AIDR　AIRCRAFT IN DISTRESS REPORT	817	Defined on page 481. Aircraft in Distress Report format for manual message entry.
ENTER AIDR　AIRCRAFT IN DISTRESS REPORT	Input Message Processing Enter a manual input message	58	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 58 and 297. Enters the manual Aircraft in Distress Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED ARSQ	Input Message Processing Request blank Data Entry Display Request a Data Entry Display with inserted data for the designated request number	83	Display MULTI ARSQ　JOINT TAC AIR RECCE/SURVEILLANCE REQ	822	Defined on page 483. Joint Tactical Air RECCE/Surveillance Request format for manual message entry.
DED ARSQ (Req No)					
MULTI ARSQ　JOINT TAC AIR RECCE/SURVEILLANCE REQ	Input Message Processing Enter a manual input message (part 1)	83	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 83 and 307-308. Enters the manual Joint Tactical Air RECCE/Surveillance Request upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
MULTI ARSQ2　JOINT TAC AIR RECCE/SURVEILLANCE REQ	Enter a manual input message (part 2)				

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ASVD	Input Message Processing Request blank Data Entry Display	62	Display ENTER ASVD AIR SURVEILLANCE DATA REPORT	817	Defined on page 481. Air Surveillance Data Report format for manual message entry.
ENTER ASVD AIR SURVEILLANCE DATA REPORT	Input Message Processing Enter a manual input message	62	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 62 and 296. Enters the manual Air Surveillance Data Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED BSDA	Display Control and Generation Requests a blank display of the Build Schedule Action.	352	Display BUILD SCHEDULE DISPLAY ACTION (parameters)	812	Defined on page 485. Presents the blank display format for operator insertion of "Build Schedule" parameters.
DED CANX	Input Message Processing Request blank Data Entry Display	64	Display ENTER CANX CANCELLA-TION REQUEST	817	Defined on page 482. Cancellation Request format for manual message entry.
ENTER CANX CANCELLA-TION REQUEST	Input Message Processing Enter a manual input message	64	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 64 and 300. Enters the manual Cancellation Request upon transmission of the executed message content. Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED CCRS	Mission Adjustment Display request processing	128, 175	Display CRSD CAS CANDIDATE CAS REQUIREMENTS SELECTION	815	Defined on page 480. Presents a blank display format for operator action requesting Candidate CAS Requirements Selection processing.
	Candidate requirements selection	128			Defined on pages 145 and 322.
CRSD CAS CANDIDATE CAS REQUIREMENTS SELECTION	Mission Adjustment Candidate requirements selection	181	Display CANDIDATE CAS REQUIREMENTS and/or Notification as required	812	Initiates Candidate Requirements Selection processing for CAS requirements.
DED CFMS	Mission Adjustment Display request processing	128, 175	Display CMSD CANDIDATE FIGHTER MISSIONS SELECTION	814	Defined on page 480. Presents a blank display format for operator action requesting Candidate Fighter Mission Selection processing.
	Candidate mission selection	129, 186			Defined on pages 146 and 328.
CMSD CANDIDATE FIGHTER MISSIONS SELECTION	Mission Adjustment Candidate mission selection	185	Display CANDIDATE FIGHTER MISSIONS and/or Notification as required	812	Initiates Candidate Mission Selection processing for fighter missions.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED CFSD	Mission Adjustment Display request processing	128, 175	Display CMSD CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST	814	Defined on page 480. Presents a blank display format for operator action requesting a Candidate Fighter Mission Schedule Display.
	Candidate mission selection	129, 187			Defined on pages 146 and 334.
CMSD CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST	Mission Adjustment Candidate mission selection	185	Display CANDIDATE FIGHTER MISSION SCHEDULE and/or Notification as required	812	Initiate Candidate Mission Selection Processing for the development of a Candidate Fighter Mission Schedule Display.
DED CRMS	Mission Adjustment Display request processing	128, 175	Display CMSD CANDIDATE RECCE MISSIONS SELECTION	815	Defined on page 480. Presents a blank display format for operator action requesting Candidate RECCE Mission Selection Processing.
	Candidate mission selection	129, 187			Defined on pages 146 and 331.
CMSD CANDIDATE RECCE MISSIONS SELECTION	Mission Adjustment Candidate mission selection	185	Display CANDIDATE RECCE MISSIONS and/or Notifications as required	813	Initiates Candidate Mission Selection processing for RECCE missions.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED CRRS	Mission Adjustment Display request processing	128, 175	Display CRSD RECCE CANDIDATE RECCE REQUIREMENTS SELECTION		Defined on page 480.
					Presents a blank display format for operator action requesting Candidate RECCE Requirements Selection processing.
	Candidate mission selection	128		815	
CRSD RECCE CANDIDATE RECCE REQUIREMENTS SELECTION	Mission Adjustment Candidate requirements selection	181	Display CANDIDATE RECCE REQUIREMENTS and/or Notifications as required		Defined on pages 146 and 324.
				813	Initiates Candidate Requirements Selection processing for RECCE requirements.
DED CRSD	Mission Adjustment Display request processing	128, 175	Display CMSD CANDIDATE RECCE MISSION SCHEDULE DISPLAY REQUEST		Defined on page 480.
				814	Presents a blank display format for operator action requesting a Candidate RECCE Mission Schedule Display.
	Candidate mission selection	129, 188			
CMSD CANDIDATE RECCE MISSION SCHEDULE DISPLAY REQUEST	Mission Adjustment Candidate mission selection	185	Display CANDIDATE RECCE MISSION SCHEDULE and/or Notifications as required		Defined on pages 146 and 336.
				813	Initiates Candidate Mission Selection processing for the development of a Candidate RECCE Mission Schedule Display.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED CTRS	Mission Adjustment Display request processing	128, 175	Display CRSD TGT CANDIDATE TARGET REQUIREMENTS SELECTION	815	Defined on page 480. Presents a blank display format for operator action requesting Candidate Target Requirement Selection processing.
	Candidate requirements selection	128			Defined on pages 146 and 326.
CRSD TGT CANDIDATE TARGET REQUIREMENTS SELECTION	Mission Adjustment Candidate requirements selection	181	Display CANDIDATE TARGET REQUIREMENTS and/or Notifications as required	813	Initiates Candidate Requirements Selection processing for Target requirements.
DED DBDA	Display Control and Generation Request a user options list containing the Data Base Display Requests.	477	Display DATA BASE DISPLAYS	815	Defined on page 479. This display contains light pen selectable operator actions for Data Base Displays.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED DPRT	Input Message Processing Request blank Data Entry Display	66	Display ENTER DPRT DOWNED PILOT REPORT	817	Defined on page 481. Downed Pilot Report format for manual message entry.
ENTER DPRT DOWNED PILOT REPORT	Input Message Processing Enter a manual input message.	66	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 66 and 301. Enters the manual Downed Pilot Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED FPAD	Mission Adjustment Display request processing Fighter planning/adjustment	128, 175, 176 129	Display FPAD FIGHTER PLANNING ADJUSTMENT	819	Defined on page 480. Presents a blank display format for operator action requesting Fighter Planning/Adjustment processing.
DED FPAD (Msn No/Tgt No/Req No)	Display request processing Fighter planning/adjustment	128, 175, 176 129	Display FPAD FIGHTER PLANNING ADJUSTMENT	819	Presents a display format for operator action requesting Fighter Planning/Adjustment processing. Data associated with the designated mission, target or requirement number is inserted in the display.
FPAD FIGHTER PLANNING ADJUSTMENT	Mission Adjustment Fighter planning/adjustment	199	Display MISSION NO (Mission number) and/or Notification as required	821	Defined on pages 149 and 338. Initiates Fighter Planning/Adjustment processing. The resulting mission display is presented in Fighter Mission format.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED GDEL	Input Message Processing Request blank Data Entry Display	68	Display ENTER GDEL GROUND DELAY REPORT	817	Defined on page 482. Ground Delay Report format for manual message entry.
ENTER GDEL GROUND DELAY REPORT	Input Message Processing Enter a manual input message	68	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 68 and 302. Enters the manual Ground Delay Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED ICSM	Input Message Processing Request blank Data Entry Display	70	Display ENTER ICSM IMMEDIATE CAS SCRAMBLE REPORT	817	Defined on page 482. Immediate Close Air Support Scramble Report format for manual message entry.
ENTER ICSM IMMEDIATE CAS SCRAMBLE REPORT	Input Message Processing Enter a manual input message	70	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 70 and 303. Enters the manual Immediate Close Air Support Scramble Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED INFR	Input Message Processing Request blank Data Entry Display	76	Display ENTER INFR INFLIGHT REPORT	817	Defined on page 482. Inflight Report format for manual message entry.
ENTER INFR INFLIGHT REPORT	Input Message Processing Enter a manual input message	76	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 76 and 305. Enters the manual Inflight Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED IRSM	Input Message Processing Request blank Data Entry Display	73	Display ENTER IRSM IMMEDIATE RECCE SCRAMBLE REPORT	817	Defined on page 482. Immediate RECCE Scramble Report format for manual message entry.
ENTER IRSM IMMEDIATE RECCE SCRAMBLE REPORT	Input Message Processing Enter a manual input message	73	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 73 and 304. Enters the manual Immediate RECCE Scramble Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED LDGR	Input Message Processing Request blank Data Entry Display	89	Display ENTER LDGR LANDING REPORT	817	Defined on page 482. Landing Report format for manual message entry.
ENTER LDGR LANDING REPORT	Input Message Processing Enter a manual input message	89	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 89 and 311. Enters the manual Landing Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED MSNA	Display Control and Generation Request a user options list containing Mission Adjustment operator actions	477	Display MISSION ADJUSTMENT	820	Defined on page 479. This display contains light pen selectable operator action for control of the Mission Adjustment functions
DED MSNR	Display Control and Generation Request a user options list containing Data Entry Display operator requests for Mission Reports	477	Display MISSION REPORTS	821	Defined on page 479. This display contains light pen selectable operator actions to retrieve Data Entry Displays for manual insertion of Mission Report.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ONSR	Input Message Processing			817	Defined on page 483.
	Request blank Data Entry Display	91	Display ENTER ONSR ON STATION REPORT		On-Station Report format for manual message entry.
ENTER ONSR ON STATION REPORT	Input Message Processing			836	Defined on pages 91 and 312.
	Enter a manual input message	91	Notification INPUT COMPLETE		Enters the manual On-Station Report upon transmission of the executed message content.
			or		
			Notification ERROR	833	Returns the erroneous DED to operator for correction.
DED OPRA	Display Control and Generation			479	Defined on page 479.
	Request a user options list containing miscellaneous operator actions	477	Display OPERATOR ACTIONS	822	This display contains light pen selectable operator actions.
DED PRAD	Input Message Processing			818	Defined on page 481.
	Request blank Data Entry Display	93	Display ENTER PRAD AIRCRAFT IN DISTRESS POSITIONS REPORT		Aircraft in Distress Position Report format for manual message entry.
ENTER PRAD AIRCRAFT IN DISTRESS POSITIONS REPORT	Input Message Processing			836	Defined on pages 93 and 313.
	Enter a manual input message	93	Notification INPUT COMPLETE		Enters the manual Aircraft in Distress Position Report upon transmission of the executed message content.
			or		
			Notification ERROR	833	Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED REFR	Input Message Processing Request blank Data Entry Display	95	Display ENTER REFR REFUELING REPORT	818	Defined on page 483. Refueling Report format for manual message entry.
ENTER REFR REFUELING REPORT	Input Message Processing Enter a manual input message	95	Notification INPUT COMPLETE	836	Defined on pages 95 and 314. Enters the manual Refueling Report upon transmission of the executed message content.
			or Notification ERROR	833	Returns the erroneous DED to operator for correction.
DED RPAD	Mission Adjustment Display request processing	128, 175, 178	Display RPAD RECCE PLANNING ADJUSTMENT	824	Defined on page 480. Presents a blank display format for operator action requesting RECCE Planning Adjustment processing.
	RECCE planning/adjustment	129			
DED RPAD (Msn No)	Display request processing	128, 175, 178	Display RPAD RECCE PLANNING ADJUSTMENT	824	Presents a display format for operator action requesting RECCE Planning/Adjustment processing. Data associated with the designated mission number is inserted in the display.
	RECCE planning/adjustment	129			
RPAD RECCE PLANNING ADJUSTMENT	Mission Adjustment RECCE planning/adjustment	207	Display MISSION NO (Mission number) and/or Notification as required	821	Defined on pages 151 and 341. Initiates RECCE Planning/Adjustment processing. The resulting mission display is presented in RECCE Mission format.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED RSIR	Input Message Processing Request blank Data Entry Display	87	Display ENTER RSIR JOINT TAC AIR RECCE/SURVEILLANCE INFLIGHT REPORT	818	Defined on page 482. Joint Tactical Air RECCE/Surveillance Inflight Report format for manual message entry.
ENTER RSIR JOINT TAC AIR RECCE/SURVEILLANCE INFLIGHT REPORT	Input Message Processing Enter a manual input message	87	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 87 and 306. Enters the manual Joint Tactical Air RECCE/Surveillance Inflight Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED RSTR	Display Control and Generation Request a user options list containing manual input format requests for miscellaneous Requests, Tanker Reports and Status Reports	477	Display REQUESTS	824	Defined on page 47g. This display contains light pen selectable operator actions for requesting blank manual entry display formats.
DED SADR	Display Control and Generation Request a user options list containing manual input format requests for SAR and Air Defense Reports	477	Display SAR REPORTS	824	Defined on page 47g. This display contains light pen selectable operator actions for requesting blank manual entry display formats.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED SMPD	Mission Adjustment Display request processing	128, 175	Display SMPD SUPPORT MISSION PLANNING	824	Defined on page 480. Presents a blank display format for operator action requesting Support Mission Planning processing.
	Support mission planning	130			Defined on pages 152 and 344.
SMPD SUPPORT MISSION PLANNING	Mission Adjustment Support mission planning	213	Display MISSION NO (Mission number) and/or Notification as required	821	Initiates Support Mission Planning processing. The resulting mission display is presented in RECCE format for EW missions and Fighter format for CAP and ESCORT missions.
DED SMPR	Input Message Processing Request blank Data Entry Display	100	Display ENTER SMPR SAR POSITION REPORT	818	Defined on page 481. Search and Rescue Position Report format for manual message entry.
ENTER SMPR SAR POSITION REPORT	Input Message Processing Enter a manual input message	100	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 100 and 315. Enters the manual Search and Rescue Position Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED SMRR	Input Message Processing Request blank Data Entry Display	102	Display ENTER SMRR SAR PROG- RESS REPDRT	818	Defined on page 481. Search and Rescue Progress Report format for manual message entry.
ENTER SMRR SAR PRDG-RESS REPORT	Input Message Processing Enter a manual input message	1D2	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 102 and 316. Enters the manual Search and Rescue Progress Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED SRAD	Mission Adjustment Display request processing SAR assignment	128, 175 132	Display SRAD SAR ASSIGNMENT	825	Defined on page 479. Presents a blank display format for operator action requesting SAR Assignment processing.
SRAD SAR ASSIGNMENT	Mission Adjustment SAR Assignment	245	Notification SAR ASSIGNMENT COMPLETED Printout This action will cause a Search and Resuce Frag Drder Adjustment upon the next "PREPARE FRAG" action and/or Notification as required	84D 830	Defined on pages 154 and 347. Initiates SAR Assignment processing.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED TAAD	Input Message Processing Request blank Data Entry Display	106	Display ENTER TAAD TACTICAL ACTION DATA REPORT	818	Defined on page 481. Tactical Action Data Report format for manual message entry.
ENTER TAAD TACTICAL ACTION DATA REPORT	Input Message Processing Enter a manual input message	106	Notification INPUT COMPLETE	836	Defined on pages 106 and 318. Enters the manual Tactical Action Data Report upon transmission of the executed message content.
			or Notification ERROR	833	Returns the erroneous DED to operator for correction.
DED TAUS	Input Message Processing Request blank Data Entry Display	109	Display ENTER TAUS TACTICAL UNIT STATUS REPORT	818	Defined on page 483. Tactical Unit Status Report format for manual message entry.
DED TAUS (Unit)	Request a Data Entry Display with data inserted for the designated unit.				
ENTER TAUS TACTICAL UNIT STATUS REPORT	Input Message Processing Enter a manual input message	109	Notification INPUT COMPLETE	836	Defined on pages 109 and 319. Enters the manual Tactical Unit Status Report upon transmission of the executed message content.
			or Notification ERROR	833	Returns the erroneous DED to operator for correction.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED TFAS	Input Message Processing Request blank Data Entry Display	104	Display ENTER TFAS TACS FACILITY STATUS REPORT	818	Defined on page 483. TACS Facility Status Report format for manual message entry.
DED TFAS (Unit)	Request a Data Entry Display with data inserted for the designated unit.				
ENTER TFAS TACS FACILITY STATUS REPORT	Input Message Processing Enter a manual input message	104	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 104 and 317. Enters the manual TACS Facility Status Report upon transmission of the executed message content. Returns the erroneous DED to operator for corrections.
DED TKOR	Input Message Processing Request blank Data Entry Display	112	Display ENTER TKOR REPORT TAKEOFF	818	Defined on page 482. Takeoff Report format for manual message entry.
ENTER TKOR TAKEOFF REPORT	Input Message Processing Enter a manual input message	112	Notification INPUT COMPLETE or Notification ERROR	836 833	Defined on pages 112 and 320. Enters the manual Takeoff Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DISPLAY (file name) FILE PAGE 1 SET 1	Display Control and Generation Display request	487	Display DISPLAY (file name) FILE PAGE 1 SET 1	816	Defined on page 485. This is the standard TDSDT System display reuqest for presentation of Data Base file data for all file objects.
DISPLAY (file name) OBJECT (Object name) PAGE 1	Display Control and Generation Display request	488	Display DISPLAY (File name) OBJECT (Object name) PAGE 1	816	Defined on page 485. This is the standard TDSDT System display request for presentation of data base file data for the designated object value.
DISPLAY (File name) PROP (Property name) PAGE 1	Display Control and Generation Display request	485	Display DISPLAY (Filename) PROP (Property name) PAGE 1	816	Defined on page 485. This is the standard TDSDT System display request for presentation of data base file data for the designated property.
ENTER XXXXX	"See corresponding action-DED XXXXX"				Operator actions of this format are associated with the manual entry of input message data. They are listed with the operator action required to display the blank message format DED.
FPAD FIGHTER PLANNING ADJUSTMENT	See "DED FPAD"				Defined on page 789.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
INITIATE TDSDT	System Control Review status of system control parameters	23-26	Display INITIATE TDSDT STATUS	819	Defined on page 485. Displays current system operating parameters.
INITIATE REVISE TDSDT STATUS	System Control Assign operational subfunctions to operator positions	23	Controls the distribution of system responses		Defined on page 476. Changes system operating parameters upon transmission of revised display.
	Specify initial or revised system simulation time.	25+ 33	Controls the reading of simulated messages.		
	Specify operating frequency of system simulation functions	25	Controls the interval between simulated message reads.		
	Specify operating frequency of system monitoring functions	25	Controls the interval between executions of the monitor functions.		
MSN PAGE (n)	Display Control and Generation Display request	381	Display MISSION NO (Mission number)	821	Defined on page 485. Presents page (n) of the Mission Display generated by the last active "BUILD MISSION" action.
	RECCE missions	381			
	Fighter missions	398			
	Refueling missions	415			
	SAR missions	419			
OPTIONS	Display Control and Generation Request the top level user options list		Display OPTIONS	822	Defined on page 479. This display contains light pen selectable operator actions for selection of the detailed user options list.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
PREPARE FRAG	Message Preparation Frag generation	247, 249	Printout ADJUSTMENT TO FRAG ORDER	830	Defined on pages 480 and 485. This action causes transmission (print out) of Frag Order Adjustments for all missions marked for transmission since the last PREPARE FRAG (or PPERARE SAR FRAG) action.
PREPARE SAR FRAG	Message Preparation Frag generation	247, 249	Printout ADJUSTMENT TO FRAG ORDER	830	Defined on pages 481 and 485. This action causes transmission (printout) of Frag Order Adjustments for all SAR missions marked for trans-mission since the last PREPARE SAR FRAG (or PREPARE FRAG) action.
PRINT	Display Control and Generation Requests printing of the contents of the display surface on the user station printer.		User Station Printout Contents of the display surface.		
RPAD RECCE PLANNING ADJUSTMENT	See "DED RPAD"				Defined on page 794.
SCHED PAGE (n) SET (m)	Display Control and Generation RECCE/EW schedules	355	RECCE MISSION SCHEDULE	823	Defined on page 485. Presents page (n), set (m) of the Mission Schedule Display generated by the last active "BUILD SCHEDULE DISPLAY ACTION".
			IRECCE MISSION SCHEDULE	820	
			PRECCE MISSION SCHEDULE	823	
			EW MISSION SCHEDULE	819	
	Fighter schedules	362	FIGHTER MISSION SCHEDULE	819	
			PFIGHTER MISSION SCHEDULE	823	
			CAS MISSION SCHEDULE	814	

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
	Refueling schedules	371	ICAS MISSION SCHEDULE	819	
			PCAS MISSION SCHEDULE	823	
			IN/CA MISSION SCHEDULE	820	
			ESCORT MISSION SCHEDULE	818	
			CAP MISSION SCHEDULE	814	
			REFUELING MISSION SCHEDULE	823	
	SAR Schedule	376	SEARCH AND RESCUE MISSION SCHEDULE	824	
SMPD SUPPORT MISSION PLANNING	See "DED SMPD"				Defined on page 796.
SRAD SAR ASSIGNMENT	See "DED SRAD"				Defined on page 797.

OPERATOR NOTES:

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
OPERATOR NOTES:					

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
OPERATOR NOTES:					

5.3 SYSTEM RESPONSES

5.3.1 Introduction to the Response Catalogs

The following sections present the system responses that are available to an operator in the CUROPS mode. These responses include displays, one line operator notifications presented on the display surface, user station printer outputs and system printer outputs associated with the functional processing of the CUROPS mode. For each response listed, the catalog also identifies the actions or other causes that generate the response, the functional or operator activities associated with the response and additional remarks defining the response. Each column of the catalog forms are discussed in greater detail below.

5.3.1.1 System Response

This column of the form contains the system response or response title as it will appear on the display surface or printers. The catalog presentations for each response type are discussed below.

5.3.1.1.1 Displays

This class of system response includes all full or partial page displays normally presented on the user station display surface. These displays can also be presented on the user station printer in response to the "PRINT" action and in selected cases can be requested for direct presentation on the printer (i.e., BUILD SCHEDULE and BUILD MISSION via the print parameters in these actions).

The display class of system response has been cataloged separately in Section 5.3.2 - Displays. Within this catalog the displays are presented alphabetically and are normally listed by the contents of line 4 of the display surface. Exceptions to this rule are the system data base displays which are listed by both lines 1 and 5. Multipage/set displays are listed only once as they appear for page 1/set 1. Multipart displays (i.e., the longer input message formats - MULTI XXX) have all parts listed separately.

5.3.1.1.2 Operator Notifications

This class of system response includes the notification of operator errors,
processing progress or results and alert conditions requiring operator action.
They are one line displays presented on line 2 of the display surface, or the
user station printer in cases where conflicts in line 2 are likely to occur
(e.g., a processing notification when processing has not been terminated).

Operator notifications are cataloged alphabetically in Section 5.3.3 - Alerts,
Notifications and Printer Outputs.

5.3.1.1.3 Printer Outputs

This class of system response includes alerts, input message printouts and
Frag Order adjustments. Frag Order adjustments are presented on the system printer
while all remaining printer outputs are presented at the user stations.

Alerts are listed as they will appear on the printed page, input message printouts
are noted with the associated alert entry and the Frag Order adjustments are listed
under the title ADJUSTMENT TO FRAG ORDER. All printer outputs are listed
alphabetically with the operator notifications in Section 5.3.3.

5.3.1.2 System Function/Operational Activity - Page

These columns of the form contain identification of the system functions or
operator activities supported by the response. This data and the associated page
references provide a cross-reference index to Volume I of the specification where
additional descriptive data may be found.

5.3.1.3 Action or Other Cause - Page

These columns of the form contain identification of the operator actions or
system processing that generate the response. The page references provide a
cross-reference index to the operator action catalog (Section 5.2.2 - Action
Catalog) or the basic specification where detailed descriptions of the actions
or processing may be found.

5.3.1.4 Remarks

This column of the form contains additional descriptive data defining the
response and normally contains the primary specification reference for the
response.

DISPLAYS

5.3.2 Displays

The following pages present each of the full or partial page displays
available to the operator in the CUROPS mode of TDSDT operation.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
BUILD SCHEDULE DISPLAY ACTION	Display Control and Generation		Action		Defined on page 486.
	RECCE/EW schedules	356	DED BSDA	784	This is a two way display providing the format for the "BUILD SCHEDULE" operator action.
	Fighter schedules	362			
	Refueling schedules	371			
	SAR schedules	376			
CANDIDATE CAS REQUIRE-MENTS	Mission Adjustment		Action		Defined on page 428.
	Candidate requirements display	158	CRSD CAS CANDIDATE CAS REQUIREMENTS SELECTION	785	This display presents qualified CAS requirements that may be assigned to a designated mission resource.
	Candidate requirements selection	183			
CANDIDATE FIGHTER MISSIONS	Mission Adjustment		Action		Defined on page 438.
	Candidate mission display	159	CMSD CANDIDATE FIGHTER MISSIONS SELECTION	785	This display presents qualified Fighter missions that could satisfy a designated requirements.
	Candidate mission selection	185, 186, 191			
CANDIDATE FIGHTER MISSION SCHEDULE	Mission Adjustment		Action		Defined on page 445.
	Candidate mission schedule display	159	CMSD CANDIDATE FIGHT-ER MISSION SCHEDULE DISPLAY REQUEST	786	This display presents the mission schedules for Fighter missions that could satisfy a designated requirement.
	Candidate mission selection	186, 194, 197			

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
CANDIDATE RECCE MISSIONS	Mission Adjustment Candidate mission display	159	Action CMSD CANDIDATE RECCE MISSIONS SELECTION	786	Defined on page 441. This display presents qualified RECCE missions that could satisfy a designated requirement.
	Candidate mission selection	185, 186, 197			
CANDIDATE RECCE MISSION SCHEDULE	Mission Adjustment Candidate mission schedule display	159	Action CMSD CANDIDATE RECCE MISSION SCHEDULE DISPLAY REQUEST	787	Defined on page 450. This display presents the mission schedules for RECCE missions that could satisfy a designated requirement.
	Candidate mission selection	185, 194, 197			
CANDIDATE RECCE REQUIREMENTS	Mission Adjustment Candidate requirements display	157	Action CRSD RECCE CANDIDATE RECCE REQUIREMENTS SELECTION	787	Defined on page 431. This display presents qualified RECCE requirements that may be assigned to a designated mission resource.
	Candidate requirements selection	182			
CANDIDATE TARGET REQUIREMENTS	Mission Adjustment Candidate requirements display	158	Action CRSD TGT CANDIDATE TARGET REQUIREMENTS SELECTION	788	Defined on page 434. This display presents qualified Target requirements that may be assigned to a designated mission resource.
	Candidate requirements selection	183			

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
CAP MISSION SCHEDULE	Display Control and Generation Mission schedules	362	Actions BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 8D2	Defined on page 364. This display presents the mission schedules for CAP missions that qualify under the parameters of the "BUILD SCHEDULE" action.
CAS MISSION SCHEDULE	Display Control and Generation Mission schedules	362	Actions BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 8D2	Defined on page 364. This display presents the mission schedules for Close Air Support missions that qualify under the parameters of the "BUILD SCHEDULE" action.
CMSD CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST	Mission Adjustment Processing request	163	Actions DED CFSD	786	Defined on page 334. This is a two way display providing the format for the operator request for a "Candidate Fighter Mission Schedule" display.
CMSD CANDIDATE FIGHTER MISSIONS SELECTION	Mission Adjustment Processing request	162	Action DED CFMS	785	Defined on page 328. This is a two way display providing the format for the operator request for a "Candidate Fighter Missions" display.
CMSD CANDIDATE RECCE MISSION SCHEDULE DISPLAY REQUEST	Mission Adjustment Processing request	163	Action DED CRSD	787	Defined on page 336. This is a two way display providing the format for the operator request for a "Candidate RECCE Mission Schedule" display.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
CMSD CANDIDATE RECCE MISSIONS SELECTION	Mission Adjustment Processing requests	162	Action DED CRMS	786	Defined on page 331. This is a two way display providing the format for the operator request for a "Candidate RECCE Missions" display.
CRSO CAS CANDIDATE CAS REQUIREMENTS SELECTION	Mission Adjustment Processing request	162	Action DED CCRS	785	Defined on page 322. This is a two way display providing the format for the operator request for a "Candidate CAS Requirements" display.
CRSD RECCE CANDIDATE RECCE REQUIREMENTS SELECTION	Mission Adjustment Processing request	162	Action OEO CRRS	787	Defined on page 324. This is a two way display providing the format for the operator request for a "Candidate RECCE Requirements" display.
CRSD TGT CANDIDATE TARGET REQUIREMENTS SELECTION	Mission Adjustment Processing request	162	Action OED CTRS	788	Defined on page 326. This is a two way display providing the format for the operator request for a "Candidate Target Requirements" display.
DATA BASE DISPLAYS	Display Control and Generation User option list	484	Action DED DBDA	788	Defined on page 484. This display contains light pen selectable operator actions for requesting Data Base File displays.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
DISPLAY (filename) FILE PAGE (n) SET (m)	Display Control and Generation Data base display	4B7	Actions <u>DBD (n)</u> or DISPLAY (filename) FILE PAGE (n) SET (m)	774 to 779 800	Defined on page 487. This display presents data base information in standard TDSDT System format.
DISPLAY (filename) OBJECT (object) PAGE (n)	Display Control and Generation Data base display	488	Actions DBD 2, DBD 4, DBD 6, DBD 7, DBD 8, DBD 9, DBD 10, DBD 11, DBD 12, DBD 13, DBD 16, DBD 17, DBD 19 or DISPLAY (filename) OBJECT (object name) PAGE (n)	774 to 779 800	Defined on page 488. This display presents data base information for a selected file object in standard TDSDT System format.
DISPLAY (filename) PROP (property name) PAGE (n)	Display Control and Generation Data base display		Action DISPLAY (filename) PROP (property name) PAGE (n)	800	This display presents data base information for a selected file property in standard TDSDT System format.
ENTER XXX	Input Processing				The following displays are two way displays containing the manual message entry formats for operator insertion of the designated message type.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
ENTER ABTR ABORT REPORT	Input Processing		DED ABTR	780	Defined on pages 50 and 292.
ENTER ADEL AIR DELAY REPORT	Input Processing		DED ADEL	781	Defined on pages 56 and 295.
ENTER ADFS AIR DEFENSE FIGHTER STATUS REPORT	Input Processing		DED ADFS or DED ADFS (unit)	781 781	Defined on pages 52 and 293.
ENTER ADSM AIR DEFENSE SCRAMBLE REPORT	Input Processing		DED ADSM	782	Defined on pages 54 and 294.
ENTER AIDR AIRCRAFT IN DISTRESS REPORT	Input Processing		DED AIDR	783	Defined on pages 58 and 297.
ENTER ASVD AIR SURVEILLANCE DATA REPORT	Input Processing		DED ASVD	784	Defined on pages 62 and 296.
ENTER CANX CANCELLATION REQUEST	Input Processing		DED CANX	784	Defined on pages 64 and 300.
ENTER DPRT DOWNED PILOT REPORT	Input Processing		DED DPRT	789	Defined on pages 66 and 301.
ENTER GDEL GROUND DELAY REPORT	Input Processing		DED GDEL	790	Defined on pages 68 and 302.
ENTER ICSM IMMEDIATE CAS SCRAMBLE REPORT	Input Processing		DED ICSM	790	Defined on pages 70 and 303.
ENTER INFR INFLIGHT REPORT	Input Processing		DED INFR	791	Defined on pages 76 and 305.
ENTER IRSM IMMEDIATE RECCE SCRAMBLE REPORT	Input Processing		DED IRSM	791	Defined on pages 73 and 304.
ENTER LDGR LANDING REPORT	Input Processing		DED LDGR	792	Defined on pages 89 and 311.
ENTER ONSR ON STATION REPORT	Input Processing		DED ONSR	793	Defined on pages 91 and 312.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
ENTER PRAD AIRCRAFT IN DISTRESS POSITION REPORT	Input Processing		DED PRAD	793	Defined on pages 93 and 313.
ENTER REFR REFUELING REPORT	Input Processing		DED REFR	794	Defined on pages 95 and 314.
ENTER RSIR JOINT AIR RECCE/SURVEILLANCE IN-FLIGHT REPORT	Input Processing		DED RSIR	795	Defined on pages 87 and 306.
ENTER SMPR SAR POSITION REPORT	Input Processing		DED SMPR	796	Defined on pages 100 and 315.
ENTER SMRR SAR PROGRESS REPORT	Input Processing		DED SMRR	797	Defined on pages 102 and 316.
ENTER TAAD TACTICAL ACTION DATA REPORT	Input Processing		DED TAAD	798	Defined on pages 106 and 318.
ENTER TAUS TACTICAL UNIT STATUS REPORT	Input Processing		DED TAUS or DED TAUS (unit)	798	Defined on pages 109 and 319.
ENTER TFAS TACS FACILITY STATUS REPORT	Input Processing		DED TFAS or DED TFAS (unit)	798	Defined on pages 104 and 317.
ENTER TKOR TAKEOFF REPORT	Input Processing		DED TKOR	799	Defined on pages 112 and 320.
				799	
				799	
ESCORT MISSION SCHEDULE	Display Control and Generation Mission schedules	362	Actions BUILD SCHEDULE DISPLAY ACTION		Defined on page 364.
				772	This display presents the mission schedules for Escort missions that qualify under the parameters of the "BUILD SCHEDULE" action.
			or SCHED PAGE (n) SET (m)	802	

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
EW MISSION SCHEDULE	Display Control and Generation Mission schedules	355	Actions BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 357. This display presents the mission schedules for Electronic Warfare missions that qualify under the parameters of the "BUILD SCHEDULE" action.
FIGHTER MISSION SCHEDULE	Display Control and Generation Mission schedules	362	Actions BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364. This display presents the mission schedules for Fighter missions that qualify under the parameters of the "BUILD SCHEDULE" action.
FPAD FIGHTER PLANNING ADJUSTMENT	Mission Adjustment Processing request	163	Actions DED FPAD or DED FPAD (Msn No, Tgt No, Req No)	789 789	Defined on page 338. This is a two way display providing the format for the operator request for Fighter Planning/Adjustment processing.
ICAS MISSION SCHEDULE	Display Control and Generation Mission schedules	362	Actions BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364. This display presents the mission schedules for Immediate Close Air Support missions that qualify under the parameters of the "BUILD SCHEDULE" action.
INITIATE REVISE TDSDT STATUS	System Control Display of system operating parameters	23 23-26	Action INITIATE TDSDT	801	Defined on pages 23 and 475. This display is a two way display used to review or revise system operating parameters.
	Display of Frag header parameters	248			
	Display of condition/event monitoring parameters	259			

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
IN/CA MISSION SCHEDULE	Display Control and Generation / Mission schedules	362	Actions / BUILD SCHEDULE DISPLAY ACTION / or / SCHED PAGE (n) SET (m)	772 / 802	Defined on page 364. / This display presents the mission schedules for Interdiction or Counter Air missions that qualify under the parameters of the "BUILD SCHEDULE" action.
IRECCE MISSION SCHEDULE	Display Control and Generation / Mission schedules	355	Actions / BUILD SCHEDULE DISPLAY ACTION / or / SCHED PAGE (n) SET (m)	772 / 802	Defined on page 357. / This display presents the mission schedules for Immediate RECCE missions that qualify under the parameters of the "BUILD SCHEDULE" action.
MISSION ADJUSTMENT	Display Control and Generation / User options list	480	Action / DED MSNA	792	Defined on page 480. / This display contains light pen selectable operator actions for directing the processing of the Mission Adjustment function.
MISSION DELETEO	Mission Adjustment / Mission deletion	165, 224, 225	Action / CANCEL (Mission number) / or / Processing / Fighter Planning/Adjustment / or / RECCE Planning/Adjustment	773 / 199 / 207	Defined on page 457. / This display indicates that the displayed mission has been deleted from the mission files and that an Adjustment to Frag Order will be sent by the next "PREPARE FRAG" or "PREPARE SAR FRAG" action.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
MISSION NO (Mission Number)	Display Control and Generation <u>RECCE Missions</u>	381	<u>Actions</u> BUILD MISSION (Mission number) (print) or FPAD FIGHTER PLANNING ADJUSTMENT or RPAD RECCE PLANNING ADJUSTMENT or SMPD SUPPORT MISSION PLANNING or MSN PAGE (n)	772 789 794 796 801	Defined on page 381. This display presents detailed mission data on the designated mission.
	RECCE planning adjustment	212			
	Fighter Missions	398			
	Fighter planning adjustment	204			
	Support mission planning	218			
	Refueling missions	415			
	SAR Missions	419			
MISSION REPORTS	Display Control and Generation <u>User options list</u>	477	Action DED MSNR	792	Defined on page 482. This display contains light pen selectable operator actions for requesting manual message entry formats for mission reports.
MULTI XXX	<u>Input Processing</u>				The following displays are multi-part two way displays containing the manual message entry formats for operator insertion of the designated message type.
MULTI ACAQ JOINT TAC AIR REQ PART 1 OF 2	Input Processing		DED ACAQ or DED ACAQ (Req No)	780 780	Defined on pages 78 and 309.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
MULTI ACAQ2 JOINT TAC AIR REQ PART 2 OF 2	Input Processing		DED ACAQ2 or Transmission of "MULTI ACAQ--".	780 780	Defined on pages 78 and 310.
MULTI AFFS AIRFIELD & FLT FACILITY STATUS REPORT PART 1 OF 2	Input Processing		DED AFFS or DED AFFS (Base)	782 782	Defined on pages 60 and 298.
MULTI AFFS2 AIRFIELD & FLT FACILITY STATUS REPORT PART 2 OF 2	Input Processing		DED AFFS2 or Transmission of "MULTI AFFS--".	782 782	Defined on pages 60 and 299.
MULTI ARSQ JOINT TAC AIR RECCE/SURVEILLANCE REQ PART 1 OF 2	Input Processing		DED ARSQ or DED ARSQ (Req No)	783 783	Defined on pages 83 and 307.
MULTI ARSQ2 JOINT TAC AIR RECCE/SURVEILLANCE REQ PART 2 OF 2	Input Processing		DED ARSQ2 or Transmission of "MULTI ARSQ--".	783 783	Defined on pages 83 and 308.
OPERATOR ACTIONS	Display Control and Generation User options list	477	Action DED OPRA	793	Defined on page 485. This display contains light pen selectable operator actions for system control or direction of functional processing.
OPTIONS	Display Control and Generation User options list	477	Actions ←S OPS 7 OPTIONS	772 801	Defined on page 479. This display contains light pen selectable operator action for requesting detailed user options lists.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
PCAS MISSION SCHEDULE	Display Control and Generation Mission schedules	362	Actions BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364. This display presents the mission schedules for Preplanned Close Air Support missions that qualify under the parameters of the "BUILD SCHEDULE" action.
PFIGHTER MISSION SCHEDULE	Display Control and Generation Mission schedules	362	Actions BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 8D2	Defined on page 364. This display presents the mission schedules for Preplanned Fighter missions that qualify under the parameters of the "BUILD SCHEDULE" action.
PRECCE MISSION SCHEDULE	Display Control and Generation Mission schedules	355	Action BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 357. This display presents the mission schedules for Preplanned RECCE missions that qualify under the parameters of the "BUILD SCHEDULE" action.
RECCE MISSION SCHEDULE	Display Control and Generation Mission schedules	355	Actions BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 8D2	Defined on page 357. This display presents the mission schedules for RECCE missions that qualify under the parameters of the "BUILD SCHEDULE" action.
REFUELING MISSION SCHEDULE	Display Control and Generation Mission schedules	371	Actions BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 372. This display presents the mission schedules for Refueling missions that qualify under the parameters of the "BUILD SCHEDULE" action.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
REQUESTS	Display Control and Generation User options list	477	Action OED RSTR	795	Defined on page 483. This display contains light pen selectable operator actions for requesting manual message input formats for Requests, Status Reports and Tanker Reports.
RPAO RECCE PLANNING ADJUSTMENT	Mission Adjustment Processing request	163	Actions OEO RPAD or DED RPAD (Mission Number)	794 794	Defined on page 341. This is a two way display providing the format for the operator request for RECCE Planning/Adjustment processing.
SAR REPORTS	Display Control and Generation User options list	477	Action OED SADR	795	Defined on page 481. This display contains light pen selectable operator actions for requesting manual message input formats for SAR and Air Defense reports.
SEARCH ANO RESCUE MISSION SCHEDULE	Display Control and Generation Mission schedules	376	Action BUILD SCHEOULE DISPLAY ACTION or SCHEO PAGE (n) SET (m)	772 802	Oefined on page 377. This display presents the mission schedules for Search and Rescue missions that qualify under the parameters of the "BUILO SCHEDULE" action.
SMPO SUPPORT MISSION PLANNING	Mission Adjustment Processing request	164	Action DEO SMPD	796	Oefined on page 344. This is a two way display providing the format for the operator request for Support Mission Planning processing.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
SRAD SAR ASSIGNMENT	Mission Adjustment Processing request	164	Action DED SRAD	797	Defined on page 347. This is a two way Display providing the format for the operator request for Search and Rescue Assignment processing.
OPERATOR NOTES:					

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SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
OPERATOR NOTES:					

REMARKS	PAGE	ACTION OR OTHER CAUSE	PAGE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	SYSTEM RESPONSE
					OPERATOR NOTES:

REMARKS	PAGE	ACTION OR OTHER CAUSE	PAGE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY

SYSTEM RESPONSE
OPERATOR NOTES:

5.3.3 Alerts, Notifications and Printer Outputs

The following pages present each of the functional one line displays and
printer outputs available to the operator in the CUROPS mode of TDSDT operation.
The major system responses have also been included. Additional, self-explanatory
responses may be encountered in certain operator or system error conditions.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
ABORT ---------- (DTG)	Input Processing Operator notification	118	Alert #6 Receipt of an Abort Report	50	Defined on pages 115 and 118. A mission display is also presented.
ADJUSTMENT NOT POSSIBLE; SELECT ANOTHER MISSION	Mission Adjustment Route generation	241	The mission being adjusted has reached its target or ingress point.		Defined on page 168. Select another mission and reinitiate the adjustment process.
ADJUSTMENT TO FRAG ORDER	Message Preparation Frag adjustment distribution	251	Actions PREPARE FRAG or PREPARE SAR FRAG	802 802	Defined on page 251. Frag Order Adjustments are marked for transmission by the processing functions that developed the adjusted missions. They are "batch" printed on the system printer in response to the operator actions "PREPARE FRAG"-all missions, and "PREPARE SAR FRAG"-SAR missions only.
	Interdiction, counter-air and escort format	252			
	Preplanned close air support format	253			
	Combat air patrol format	254			
	Electronic warfare format	255			
	Preplanned RECCE format	256			
	Immediate RECCE format	257			
	Immediate close air support format	257			
	Search and Rescue format	258			
	Delete format	258			

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
AIR DEFENSE SCRAMBLE ---------- (DTG)	Input Processing Operator notification	118	Alert #5 Receipt of an Air Defense Scramble Report	54	Defined on pages 115 and 118. Total message is printed.
AIR DELAY --------- (DTG) OLD ETOT OR ETR ---- NEW ETOT OR ETR ----	Input Processing Operator notification	121	Alert #31 Receipt of an Air Delay Report	56	Defined on pages 115 and 121. The total message is printed.
A/C TYPE NOT AVAILABLE AT BASE SPECIFIED; ENTER NEW VALUE	Mission Adjustment Fighter planning/adjustment RECCE planning/adjustment Support mission planning	201 208 214	Operator specified base and A/C type are not compatible on the mission being planned or adjusted.		Defined on page 167. Select another base and/or A/C type and reinitiate the adjustment process.
BASE ETRO CHANGE ---- (DTG) OLD --------- NEW --------	Input Processing Operator notification	118	Alert #9 Receipt of a change in base ETRO		Defined on pages 115 and 118. The notification defines the change.
BASE STATUS CHANGE ---- (DTG) OLD STATUS ---- NEW STATUS ----	Input Processing Operator notification	118	Alert #8 Receipt of an Airbase Status Change		Defined on pages 115 and 118. The notification defines the change.
CANCELLATION REQUEST ---------- (DTG)	Input Processing Operator notification	121	Alert #32 Receipt of a cancellation request	64	Defined on pages 115 and 121. A mission display is also presented.
CANDIDATES DO NOT MEET REQUESTED TOT	Mission Adjustment Candidate mission selection	194	Available candidates for the requirement being planned can not meet the operator specified TOT.		Defined on page 170. Candidate Mission Selection processing will continue and develop a display of candidate missions that come the closest to the specified TOT.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
DISPERSAL BASE COOE NOT RECOGNIZED; ENTER NEW VALUE	Mission Adjustment Fighter planning/adjustment RECCE planning/adjustment Support mission planning	201 208 214	The dispersal base code specified by the operator is not recognized within the system data base.		Defined on page 167. Select an available dispersal base and reinitiate the adjustment process.
EGRESS CODE NOT RECOGNIZEO: ENTER NEW VALUE	Mission Adjustment Route generation	232	The Egress code specified by the operator is not recognized within the system data base		Defined on page 169. Select an available Egress code and reinitiate the adjustment process.
ENTRY FULL (file IO, object); PROCESS CONTINUING	Mission Adjustment Fighter planning/adjustment RECCE planning/adjustment Support mission planning	204 212 217	File space for storage of adjustment data is not available.		Defined on page 169. The adjustment continues but future file retrievals will not accurately reflect the mission presently being adjusted.
ENTRY FULL (file ID, object); PROCESS TERMINATING	Mission Adjustment SAR assignment	245	File space for storage of the new SAR Requirement is not available.		Defined on page 169. Processing can not continue.
ENTRY NOT AVAILABLE (file IO); PROCESS CONTINUING	Mission Adjustment Fighter planning/adjustment RECCE planning/adjustment Support mission planning	204 211 218	File space for storage of adjustment data is not available		Defined on page 169. The adjustment continues but future file retrievals will not accurately reflect the mission presently being adjusted.
ENTRY NOT AVAILABLE (file IO); PROCESS TERMINATING	Mission Adjustment Fighter planning/adjustment RECCE planning/adjustment Support mission planning	203 210 217	File space for the storage of adjustment data is not available		Defined on page 169. Processing can not continue.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
ENTRY NOT FOUND (file ID, object); PROCESS CONTINUING	Mission Adjustment RECCE planning/adjustment Mission deletion	212 221, 222, 223, 224, 225	The data base entry to be updated does not exist		Defined on page 169. Data has not been previously stored in support of the mission or requirement being processed. Processing continues but future retrievals of the files in question will not accurately reflect the present processing.
ENTRY NOT FOUND (file ID, object, property); PROCESS CONTINUING	Mission Adjustment Mission deletion	221	The data base entry to be updated does not exist		Defined on page 169. Data has not been previously stored in support of the mission or requirement being processed. Processing continues but future retrievals of the files in question will not accurately reflect the present processing.
ERROR	Input Message Processing/Mission Adjustment Manual input message processing Candidate requirements selection Candidate missions selection Fighter planning/adjustment RECCE planning/adjustment Support mission planning SAR assignment	34, 45 181 188 200 207 213 245	Action ENTER XXX (with error) or MULTI XXX (with error) or CRSD XXX (with error) or CMSD XXX (with error) or FPAD XXX (with error) or RPAD XXX (with error) or SMPD XXX (with error) or SRAD XXX (with error)	780 to 799	Defined on page 290. DED containing the error is presented with 1st character of invalid field flashing.
ETO LESS THAN CURRENT TIME; REPLAN THE MISSION	Mission Adjustment Route generation	235	Mission as presently being planned requires impossible take-off time for acceptable scheduling.		Defined on page 169. Change resource or requirement parameters and reinitiate adjustment processing.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
EW SUPPORT REQUIRED	Mission Adjustment Fighter planning/adjustment RECCE planning/adjustment	204 212	The mission being planned will require EW support mission		Defined on page 169. Plan appropriate EW support or task assigned operator position to plan that support.
EXCESSIVE REFUELING REQUIRED; SELECT ANOTHER UNIT	Mission Adjustment Route generation	234	Refueling requirements of the mission being planned can not be met.		Defined on page 168. Select an alternate unit for the mission that is better positioned relative to fuel usage.
FACILITY ETRO ------ (DTG) NAME ----- OLD ETRO ---- NEW ETRO -------	Input Processing Operator notification	119	Alert #11 Receipt if a change in Facility ETRO		Defined on pages 115 and 119. The notification defines the change.
FIGHTER AND EW SUPPORT REQUIRED	Mission Adjustment Fighter planning/adjustment RECCE planning/adjustment	204 212	Both fighter and EW support missions are required for the mission being planned		Defined on page 169. Plan or request planning of appropriate fighter and EW support missions.
FIGHTER SUPPORT REQUIRED	Mission Adjustment Fighter planning/adjustment RECCE planning/adjustment	204 212	Fighter support is required for the mission being planned		Defined on page 169. Plan or request planning of appropriate fighter support missions
FLIGHT FACILITY STATUS CHANGE (DTG) NAME ----- OLD STATUS ---- NEW STATUS ----	Input Processing Operator notification	119	Alert #10 Receipt of a change in flight facility status		Defined on pages 115 and 119. The notification defines the change.
FORM NOT AVAILABLE	Display Control and Generation Display request		Action DED XXX (where XXX is not recognized as a valid DEO identifier)		The operator must correct and reenter the DEO request.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
FRAG TRANSMISSION COMPLETE	Message Preparation Frag generation	249	Action PREPARE FRAG or PREPARE SAR FRAG	8D2 8D2	Defined on page 249. The response is made after all applicable "ADJUSTMENT TO FRAG ORDER" messages have been processed for printout.
GROUND DELAY --------- -- (DTG) OLD DEPARTURE TIME ---- NEW DEPARTURE TIME ----	Input Processing Operator notification	121	Alert #30 Receipt of a Ground Delay Message	68	Defined on pages 116 and 121. The total message is printed.
ICAS SCRAMBLE --------- -- (DTG)	Input Processing Operator notification	118	Alert #3 Receipt of an ICAS Scramble Report	70	Defined on pages 116 and 118. Total message is printed.
IMMED TAC AIR RECCE/SURV REQ ------- (DTG)	Input Processing Operator notification	118	Alert #2 Receipt of an Immediate TAC Air RECCE/Surveillance Request	83	Defined on pages 115 and 118. Total message is printed.
IMMED TAC AIR REQ ---- (DTG)	Input Processing Operator notification	118	Alert #1 Receipt of an Immediate TAC Air Request	78	Defined on pages 115 and 118. Total message is printed.
INGRESS CODE NOT RECOGNIZED; ENTER NEW VALUE	Mission Adjustment Route generation	232	The ingress code specified by the operator is not recognized within the data base.		Defined on page 169. Select an appropriate ingress code and reinitiate the adjustment process.
INGRESS/EGRESS CODE NOT RECOGNIZED; ENTER NEW VALUE	Mission Adjustment Route generation	232	The ingress and egress codes specified by the operator are not recognized within the data base		Defined on page 169. Select appropriate ingress and egress code and reinitiate the adjustment process.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
INIT HOSTILE ---- (DTG)	Input Processing Operator notification	122	Alert #37 Receipt of an initial hostile Air Surveillance Data Report	62	Defined on pages 115 and 122. The total message is printed.
INPUT COMPLETE	Input Message Processing Manual data entry	290	Action ENTER XXX or MULTI XXX or CRSD XXX or CMSD XXX or FPAD XXX or RPAD XXX or SMPD XXX or SRAD XXX	780 to 799	Defined on page 290. This message indicates that a manual input message or mission adjustment directive input has been accepted for processing.
INSUFFICIENT BASE MUNITIONS; SELECT ANOTHER UNIT	Mission Adjustment Fighter planning/adjustment Support mission planning	201 215	The unit selected by the operator can not satisfy the mission due to munitions requirements		Defined on page 167. Change the unit or munitions requirements for the mission being planned and reinitiate the adjustment process.
IRECCE SCRAMBLE -------- (DTG)	Input Processing Operator notification	118	Alert #4 Receipt of an IREC Scramble Report	73	Defined on pages 116 and 118. Total message is printed.
LANDING REPORT ------- (DTG)	Input Processing Operator notification	120	Alert #20 Receipt of a Landing Report	89	Defined on pages 116 and 120. The total message is printed.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
LATE SAR MISSION PROGRESS REPORT ------- (DTG)	Condition/Event Monitoring / Operator notification	120, 265	Alert #26 / Scheduled SAR Mission Progress Report is overdue	102	Defined on pages 120 and 265. The notification defines the mission number.
MESSAGE TIME JUMPER TO (XXXX)	Input Message Processing / Advancing of the simulation time	37, 37	INITIATE REVISE TDSDT STATUS followed by completion of processing for all intervening input messages	801	Defined on page 37. With TIME ADVANCE indicator set and new simulation time inserted.
MISSED REFUELING ------- (DTG) SCHEDULED REFUELING TIME ------ MISSION NO. ------	Input Processing / Operator notification	121	Alert #33 / Receipt of a Refueling message indicating a missed refueling	95	Defined on pages 116 and 121. The total message is printed.
MISSION DEPARTURE ------ (OTG) SCHEDULED ------- REPORTED -------	Input Processing / Operator notification	120	Alert #18 / Receipt of a reported takeoff time different from the schedule	112	Defined on pages 117 and 120. The notification defines the mission number and the times in variance.
MISSION NUMBER NOT RECOGNIZED; ENTER NEW VALUE	Mission Adjustment / Display request processing	177, 178, 179	An operator specified mission number is not recognized within applicable data base files		Defined on page 168. Correct the specified mission number and reinitiate the adjustment process.
	Candidate mission selection	196			
	Support mission planning	214			
	Mission deletion	220			
	Route generation	240, 241			
	SAR assignment	245			

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
NO AIR DEFENSE FIGHTER STATUS REPORT ------ (DTG) / TIME DUE	Condition/Event Monitoring / Operator notification	121	Alert #28 / Scheduled Air Defense Fighter Status Report is overdue	52	Defined on pages 121 and 266. The notification defines the unit and time due.
NO AIRFIELD AND FLIGHT FACILITY MESSAGE (DTG) / NAME ------ TIME DUE	Condition/Event Monitoring / Operator notification	119, 266	Alert #16 / Airfield and Flight Facility Status Report is overdue	60	Defined on pages 119 and 266. The notification defines the facility and time due.
NO CANDIDATE MISSIONS FOUND; ENTER NEW SELECTION	Mission Adjustment / Candidate mission selection	191, 194	The selection criteria specified by the operator cannot be satisfied by available resources		Defined on page 166. Candidate mission selection processing terminates and must be reinitiated with alternate criteria.
NO CANDIDATE REQUIREMENTS FOUND; ENTER NEW SELECTION	Mission Adjustment / Candidate requirements selection	182, 183, 184	These are no available requirements that can be met by the specified resource		Defined on page 166. Candidate requirements selection processing terminates and can be reinitiated with alternative resources specified.
NO INFLIGHT REPORT ------ (DTG) / SCHEDULED TIME OVER TARGET ----	Condition/Event Monitoring / Operator notification	120, 264, 265	Alert #23 / Scheduled Inflight Report is overdue	76	Defined on pages 120, 264 or 265. The notification defines the mission number and the time due.
NO LANDING REPORT ------ (DTG) / ESTIMATED TIME OF RETURN -------	Condition/Event Monitoring / Operator notification	120, 264, 265	Alert #24 / Scheduled Landing Report is overdue	89	Defined on pages 120, 264 and 265. The notification defines the mission number and time due.
NO ON STATION REPORT ------ (DTG) / ESTIMATED TIME ON STATION -------	Condition/Event Monitoring / Operator notification	121, 265	Alert #27 / Scheduled On Station Report is overdue	91	Defined on pages 121 and 265. The notification defines the mission number and time due.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
NO QUALIFIERS	Display Control and Generation Operator notification	353	Action BUILD SCHEDULE DISPLAY ACTION (parameters)	772	Defined on page 353. The parameters defined for the requested schedule development processing result in no qualifying missions.
NO RECCE INFLIGHT REPORT ------ (DTG) SCHEDULED TIME OVER IGT -------------	Condition/Event Monitoring Operator notification	122, 265	Alert #36 Scheduled RECCE Inflight Report is overdue	87	Defined on pages 122 and 265. The notification defines the mission number and the time due.
NO TAKEOFF REPORT ------- (DTG) SCHEDULED DEPARTURE TIME ----	Condition/Event Monitoring Operator notification	120, 264, 265	Alert #22 Scheduled Takeoff Report is overdue	112	Defined on pages 120, 264 and 265. The notification defines the mission number and time due.
NO UNIT STATUS REPORT ------ (DTG) TIME DUE --------	Condition/Event Monitoring Operator notification	119, 267	Alert #15 TAC Unit Status Report is overdue	109	Defined on pages 119 and 267. The notification defines the Unit and time due.
NUMBER OF AIRCRAFT AIRBORNE -------- (DTG) SCHEDULER -- REPORTED --	Input Processing Operator notification	117, 119	Alert #17 The number of aircraft reported airborne differs from the number scheduled		Defined on pages 117 and 119. The notification defines the difference.
ORD CODE NOT AVAILABLE FOR A/C TYPE; ENTER NEW VALUE	Mission Adjustment Fighter planning/adjustment Support mission planning	201, 215	The ordnance code and A/C type specified by the operator are not compatible within the system data base.		Defined on page 167. Processing terminates and must be re-initiated with correct ordnance code/ A/C type specification by the operator.
OR DIFFERENT FROM FORE-CAST ------ (DTG) TYPE ------- OR -- FORCAST --	Input Processing Operator notification	119	Alert #13 Receipt of a change in TAC Unit OR 8 Hour Forecast		Defined on pages 117 and 119. The notification defines the change.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
OR 8 HR 8ELOW MINIMUM ----- (DTG)	Input Processing		Alert #12		Defined on pages 116 and 119.
TYPE ----- OR 8 -- LIM FAC ---------	Operator notification	119	Receipt of data indicat- a TAC Unit OR 8 Hour forecast below minimum		The notification defines the status.
REFUELING UNAVAILABLE; REPLAN THE MISSION	Mission Adjustment Route generation	238, 240	The refueling required for the mission being planned can not be satisfied.		Defined on page 168. Processing terminates and the mission must be replanned to reduce the fuel requirements.
REQUIREMENTS NUMBER NOT RECOGNIZED; ENTER NEW VALUE	Mission Adjustment Display request processing Candidate mission selection Fighter planning/adjustment RECCE planning/adjustment SAR assignment	176 192 200 208 245	The requirements number specified by the operator is not recog- nized in applicable data base files		Defined on page 166. The operator request defining the requirement being planned against must be corrected and the processing re- initiated.
SAR ASSIGNMENT COMPLET- ED	Mission Adjustment SAR assignment	246	Action SRAD SAR ASSIGNMENT	797	Defined on page 168. SAR assignment processing has been successfully completed as requested by the operator.
SAR PROGRESS ----------- -- (DTG)	Input Processing Operator notification	121	Alert #34 Receipt of a SAR Progress Report	102	Defined on pages 116 and 121. The total message is printed.
SAR REQUIREMENTS ---- (DTG)	Input Processing Operator notification	121	Alert #29 Receipt of a Downed Pilot or Aircraft in Distress Report	66 58	Defined on pages 115 and 121. The total message is printed.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
TAC ACTION ---- (DTG)	Input Processing Operator notification	122	Alert #38 Receipt of a Tactical Action Data Report	106	Defined on pages 116 and 122. The total message is printed.
TAC AIR REQUEST ---- (DTG)	Input Processing Operator notification	122	Alert #39 Receipt of a Joint Tactical Air Request	78	Defined on pages 115 and 122. The notification defines the request number.
TAC FACILITY STATUS CHANGE ---- (DTG)	Input Processing Operator notification	118	Alert #7 Receipt of a TACS Facility Status Report	104	Defined on pages 116 and 118. Total report is printed.
TAC RECCE/SURV REQUEST ------ (OTG)	Input Processing Operator notification	122	Alert #40 Receipt of a Joint Tactical Air RECCE/Surveillance Request	83	Defined on pages 115 and 122. The notification defines the request number.
TANKER ON STATION --------- (OTG) SCHEDULEO TIME ------- REPORTEO TIME -------	Input Processing Operator notification	121	Alert #35 Receipt of a Tanker On Station Report indicating a time variance from schedule	91	Defined on pages 116 and 121. The notification defines the mission number and the times in variance.
TANKER OVER SCHEDULED --------- (DTG) FUEL RESERVE ---------	Input Processing Operator notification	120	Alert #25 Receipt of data indicating that tanker has become overscheduled		Defined on pages 116 and 120. The notification defines the mission number and the revised fuel reserve.
TDSDT IN OPERATION	System Control System startup	30	Computer operator actions to initialize the TDSDT equipment and software		Defined on page 30.
TIME OVER TARGET --------- (DTG) OLD TOT ---- NEW TOT ----	Input Processing Operator notification	120	Alert #19 Receipt of an estimated TOT different from old estimated TOT.	120	Defined on pages 117 and 120. The notification defines the mission number and the estimates in variance.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
TIME OVER TARGET --------- (DTG) SCHEDULED ------------ REPORTED ------------	Input Processing Operator notification	120	Alert #21 Receipt of an actual TOT different from the TOT scheduled TOT		Defined on pages 116 and 120. The notification defines the mission number and the TOT's in variance.
UNIDENTIFIABLE AESOP MESSAGE FOR CUROPS MODE	General Operator request		This response results when an operator request is in error and can not be recognized by the software		The operator must correct and reenter the request.
UNIT NUMBER NOT RECOGNIZED; ENTER NEW VALUE	Mission Adjustment Fighter planning/adjustment RECCE planning/adjustment Support mission planning	201 208 214	The operator specified unit number is not recognized within the system data base.		Defined on page 167. Correct the unit number specified in the processing request and reinitiate the processing.
24 HOUR OR CHANGE --------- (DTG) TYPE ------ OLD -- NEW --	Input Processing Operator notification	119	Alert #14 Receipt of change in TAC Unit OR 24 Hour status forecast		Defined on pages 117 and 119. The notification defines the change.
(number) CANDIDATE MISSIONS	Mission Adjustment Candidate mission selection	192	A candidate missions display has been presented with (number) of missions included within the display		Defined on page 170. If the number of candidate missions is greater than 10 the display will require multiple pages of up to 10 missions per page.
(number) CANDIDATE REQUIREMENTS	Mission Adjustment Candidate requirements selection	182, 183, 184	A candidate requirements display has been developed with (number) of requirements included within the display.		Defined on page 169. If the number of candidate requirements is greater than 10 the display will require multiple pages of up to 10 requirements per page.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
(number) PREVIOUSLY DELETED	Mission Adjustment Mission deletion	221	Action CANCEL (number)	773	Defined on page 168. The "CANCEL" action has been taken on a previously deleted mission number.
(number) QUALIFIERS	Display Control and Generation Operator notification	353	Action BUILD SCHEDULE DISPLAY ACTION (Parameters)	772	Defined on page 353. The parameters defined for the requested schedule development processing resulted in (number) of qualified missions.

OPERATOR NOTES:

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
OPERATOR NOTES:					

REMARKS	PAGE	ACTION OR OTHER CAUSE	PAGE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	SYSTEM RESPONSE
					OPERATOR NOTES:

REMARKS	PAGE	ACTION OR OTHER CAUSE	PAGE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	SYSTEM RESPONSE
					OPERATOR NOTES: